# e Minima Vournal,

# RAILWAY AND COMMERCIAL GAZETTE

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1607.—Vol. XXXVI.

LONDON, SATURDAY, JUNE 9, 1866.

STAMPED.....SIXPENCE. UNSTAMPED..FIVEPENCE,

MR. JAMES CROFTS, STOCK AND SHAREBROKER No. 1, FINCH LANE, CORNHILL.

(Established 23 years.)

The Mining Market is every day becoming more favourable for investments. The standard for copper has again failen, and banks collapsing, and in consequence shares in copper mines must further recode in value. The mines most affected, but safe as prospective investments, are Devox Consols, Cliptoni, South Calldon, West Serox, Hingston Down, Wheal Basset, East Carn Brea, Market Valley, Prosper United, and East Calmbon, which mines soid nearly 20,000 tons of ore in the last quarter, ending March. There is a further good selection in mines selling lesser quantities, as NORH TRESERRIN, EAST ROSEWAINE, EAST RUSSELL, WEST CARADON, SOUTH COMPUREOW, and CARN CAMBORNE. Other mines recommended for immediate purchase are GREAT LANEY, TRINGET, GREAT VOR, EAST LOYELL, SOUTH DARREN, PRINCE OF WALES, and WHEAL CREBOR.

Mr. CROFTS has SPECIAL BUSINESS in Chostales, Mineral Rights, Holly-Rose Common and Lily Slats shares.

BUSH COAL, and LILY SLATE shares.

Bankers: National Bank of Scotland, Finch-lane.

M. R. JAMES LANE, No. 44, THREADNEEDLE STREET, LONDON. E.C.

JAMES LANE BAS FOR SALE at nett prices: —5 Basset and Grylls, 30s.; 20 Camborns Venn. 20s.; 50 Crebor, 12s. 9d.; 20 Chivorton, £6½; 50 Caldbeck Fells, 20s.; 10 Clifford, £8½; 20 Chontales, £3½; 60 Central Snailbeach, 28s. 6d.; 20 Central Minera, £3; 20 East Carasion, £6½; 30 Drake Walls, 7s. 6d.; 60 East Jane, 3s.; 20 East Cara Brea, 26s.; 10 East Kosswarne, 24s.; 5 East Lovell, £7½; 10 Frank Mills, £4½; 50 Frontino and Bolivis, 17s. 9d.; 30 Great Busy, 11s.; 5 Great Laxey, £21½; 50 Great Worth Laxey, 37s. 6d.; 70 Great South Chiverton, 7s. 9d.; 10 Hallenbeagte; 5 Great Wheat Yor, £17½; 10 Marke Valley, £3½; 5 Maudiln, 40s.; 50 North Jane, 5s.; 20 North Treskerby, £2½; 20 New Wheat Lovell, 10s. 6d.; 5 North Roskers, £4; 20 Prince of Wales, 11s.; 500 Rosau Grande, 3s.; 20 Rosewarne United, 20s.; 100 Royaton, 11s.; 20 Rosewall Hill and Ransom United, 20s.; 20 Rosewarne Consols, 28s.; 10 South Condurrow, 25s.; 5 South Crofty, £13½; 10 Trencrom, £3½; 100 Vale of Towy, 1s.; 10 Wheat Sparnon, 40s.

MR. LELEAN (Member of the Mining Exchange) BUYS and SELLS ENGLISH and FOREIGN STOCKS and SHARES, INSPECTS MINES, and advises pariles who consult him.

Bankers: Robarts, Lubbock, and Co., Lombard-street.

11, Royal Exchange, London, E.C.

MR. LELEAN'S STOCK, SHARE, AND FINANCE REGISTER for June, published on the 6th instant, should be consuited by all who wish to make safe and profitable investments, giving 10 per cent. and upwards; to review the state of the markets for the preceding month; and to see the causes and consequences of the panic clearly stated. Single copies, 6d. each; annual subscription, 5s. Fublished monthly, and sold by Messrs. Pottle and Son, 14 and 15, Royal Exchange, London, E.C.

CEORGE RICE, SHAREDEALER, 5, COWPER'S COURT,
BIRCHIN LANE, LONDON (23 years' experience), Member of the Mining
Exchange, DEALE largely in MINING SHARES, as BUYElt or SELLER, at closest
market prices.
GEORGE RICE WII BUY, at the highest market prices, for cash down, SHARES in
the FOLLOWING MINES:—

Chiverton Moor. Chiverton. Chontales (Gold). East Grenville. East Caradon.

East Lovell.
Frontino (Gold).
Great Wheal Vor.
Marke Valley.
Nangiles.
North Treskerby.
Money lent on mining shares.
Bankers: Bank of England.

Prince of Wales, St. John del Rey (Gold) Wheai Grenville, West Chivertoa, Wheal Crebor.

GEORGE RICE, 5, COWPER'S COURT, LONDON, deals extensively, at close prices, as BUYER or SELLER, in the Chontales, Frontino, and other Gold Mines, and is always prepared to advise his friends when to buy or

MR. WILLIAM SEWARD, STOCK AND SHAREDEALER
19, THROGMOBTON STREET, LONDON, E.C.

MR. G. D. SANDY, STOCK AND SHAREDEALER,
No. 48, THREADNEEDLE STREET, LONDON, E.C., TRANSACTS
BUSINESS in EVERY DESCRIPTION of STOCK EXCHANGE SECURITIES,
MINING and FINANCIAL ENTERPRISES, at close market prices.

Correct Daily Price List may be had on application.
Money advanced to any amount on legitimate stocks and shares.
References exchanged.
Mr. Samdy's Circular for the present month will be ready on the 12th inst.

MR. JAMES HUME, 74, OLD BROAD STREET, LONDON, MR. JAMES HUME, 74, OLD BROAD STREET, LONDON, (Member of the Mining Exchange).

Clifford \$2.84 \subseteq 8.34 | South Condurrow \$2.1 - \subseteq 1.14 \text{South Condurrow}\$. \$2.1 - \subseteq 2.14 \text{South Condurrow}\$. \$2.24 - 2.24 \text{South Condurrow}\$. \$2.3 \text{3.3} - 2.34 \text{South Condurrow}\$. \$2.2 - 2.34 \text{South Condurrow}\$. \$2.3 - 2.34 \text{South Condurrow}\$. \$3.4 - 2.34 \text{Mineral Rights}\$. \$1 - 1.14 \text{Prince of Wales}\$. \$2.4 - 2.94 \text{Mineral Rights}\$. \$1 - 1.14 \text{Prince of Wales}\$. \$8. - 10.\$. \$1 - 1.05 \text{Crebor}\$. \$3.4 - 2.05 \text{Mineral Rights}\$. \$1 - 1.14 \text{Prince of Wales}\$. \$8. - 10.\$. \$1 - 1.05 \text{Crebor}\$. \$3.4 - 2.05 \text{Mineral Rights}\$. \$1 - 1.05 \text{Crebor}\$. \$3.4 - 2.05 \text{Mineral Rights}\$. \$1 - 1.05 \text{Crebor}\$. \$1

MESSRS. WILSON, WARD, AND CO., STOCK AND
16, UNION COURT, OLD BROAD STREET, LONDON, E.C.
Messrs. Wilson, Ward, and Co., are DEALERS in the FOLLOWING SHARES,
at market prices:—Frontino and Bolivia Gold, Great Laxey, Caldbeck Felis, Penhale
and Lomax, New Wheal Towan, and North Treskerby. Can recommend two good mines
for investment. Their fortnightly Circular may be had on application.

MATTHEW GREENES, STOCK AND SHAREDEALER,
ST. MICHAEL'S HOUSE, CORNHILL, LONDON,
Is always prepared to deal at close prices in mining, bank, railway shares, &c.
M. GREENE has FOR SALE:—
10 East Caradon, £3\\(^4\).
10 East Cara Bres, £1\\(^4\).
10 Prince of Waies, 10s.
20 South Condurrow, £1\\(^4\).
20 Cadbeck Fells, 20s.
30 Chontales, £3\\(^4\).
20 Ros. Treakery, £2\\(^4\).
20 No. Treakery, £2\\(^4\).
21 Boddy, 17s. 6d.
35 Great Vor, £1'\(^4\).
30 Mr. Gerene can recommend three mines for a safe rise.

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MR. T. ROSEWARNE, 81, OLD BROAD STREET,
LONDON, E.C., has BUSINESS to TRANSACT in all the LEADING
MINES in DEVON and CORNWALL, and is also enabled to deal at close prices in MINES in DEVON and CORNWALL, and is new MINES in DEVON and CORNWALL, and is new the same as there are many safe for a great rise, which sent, particularly in lead and copper mines, as there are many safe for a great rise, which sent, particularly in lead and copper mines, as there are many safe for a great rise, which

Solver was sufficiently in lead and copper mines, as there are many safe total acceptance should be bought at once.

should be bought at once.

WANTED TO BUY, any part of the following, at a shade above the market prices, for eash or account: —2000 Prince of Wales, 1000 Caldbeck Fells, 500 Crebor, 1000 New East Russell, 50 Caradon Consols, 100 North Creakerby, 200 New Wheal Towan, 300 Penbale and Lomax, 100 Gunnislate, 50 Wheal Norris, 5 Seton, 20 Clifford, 15 Great. Vor, 30 Tincroft, 200 New Clifford, 40 Nanglies, 100 Marke Valley, 50 Craddock Moor, 20 West Caradon, 100 Camborne Vean, 100 Central Snailbeach, 200 South Darren, 60 Chiverton Moor, 10 West Chiverton, Moor, 10 West Chiverton, Company of the Chiverton Moor, 10 West Chiverton, Ch

SHAREHOLDERS IN PUBLIC COMPANIES desirous of A avoiding calls and further reponsibility will find purchasers on applying to Messra.

BARRETT AND CO., 75, OLD BROAD STREET, CITY, and 9, SPRING CARDENS, CHARING CROSS. Stocks, shares, &c., bought and sold. Investment Review on application. Cash advances made.

M. R. GEORGE BUDGE, No. 4, ROYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established 18 years), has FOR SALE:—
10 Chiverton, £6%; 100 Anglo-Brazilian, 10s.; 50 Don Fedro, 24s.; 20 United Maxican, £2%; 25 Great Busy, 10s.; 2 Minera: 100 Frontino and Bolivis; 50 Prir Phillip, 13s.; 75 Worthing, 15s.; 50 Prince of Wales; 4 Wheat Buller, £13%; 20 East Graville; 40 Gawton, £5%; 75 Drake Walls, 5s. 6d.; 20 East Carn Brea; 25 Quebrada (fully paid), £3%; 1 West Sharp Tor; 1 Wheal Seton; 35 Chontales.

IN AN CIAL SHAREHOLDES.

In June and July last (nearly twelve months ago) I published the following notice to "Shareholders in Financial Bubble Companies," &c., in the "Money Market Review," from which it will be readily seen my predictions are now (unhappily for the victims) being realised. Many, I know, acted on my advice long ago, and sold out; whilst others have or will, perhaps, leave it until it is too late—PETER WATSON, Stock and Sharedealer, 79, Old Broad-street, London, E.C.

ADVERTISEMENT IN JUNE, 1865

ADVERTISEMENT IN JUNE, 1865.

HAREHOLDERS in FINANCIAL and CREDIT BUBBLE COMPANIES will do well to immediately sell (if they can), for when the accounts for the half-year (ending this month, June, 1865) are made up, no bona fide profit can be expected; but, in all probability, very "heavy losses" will be the result. The future trading in many will be very precarious and doubtful, hence the advice to sell immediately, and avoid further liability. Investors should then re-invest in bona fide, and, and long-setablished companies, which are managed for the general body of shareholders, and not for private individuals only. By acting on this advice great profits, instead of heavy losses, may thus be made.—Peter Watson, Stock and Sharedeair, 79, Old Broad-street, London, E.C.

NUMEROUS COMMUNICATIONS being daily addressed to Mr. PLTEE WATSON enquiring "What to Buy, Sell, and Avoid," &c., he begs respectfully and distinctly to state that he will only answer communications of a bona fide character, and in which business transactions may be the result to mutual advantage. Orders to BUY or SELL must be distinctly given, and Mr. PETER WATSON pledges himself to do the very best he can to give satisfaction in the purchase or sale of stocks and shares, according to the market price of the day, and at net prices.—PETER WATSON, Stock and Sharedealer, 79, Old Broad-street, London, E.C.

NVESTMENT OR SPECULATION.—The present market price NVESTMENT OR STELULATION,—The present market price of Government (Foreign) Bonde, Rallways, Banks, Steamship, Marine, Insurance, &c., will yield the immediate purchaser 8, 12, or 15 per cent. per annum (paid bair-yearly on fixed days with the greatest regularity). In addition to the high rate of interest or dividends there is every probability of many of the above having a good rise in market value.—Peren Warson, Stock and Sharedealer, 79, Old Broad-street, London, E.C., can give every information respecting the above, and he is in a position to BUY and SELL at nett close market prices of the day.—Peren Warson, Stock and Sharedealer, 79, Old Broad-street, London, E.C.

Railways.
Financial.
Steamship.
Ironworks.
Insurance.
Marine finsurance.
Foreign Mines.
Foreign Mines.

Railways.
Foreign Funds.
Foreign Funds.
Loan.
Cornish Mines.

English Funds.
Diacount.
Docks.
Hotel.
Telegraph.
Land.
Irrigation.
Devon Mines.
And other publicompanies. Telegraph.
Land.
Cornish Mines.
And other publiccompanies.

MR. PETER WATSON, STOCK AND SHAREDEALER

M. FETER WATSUR, SIQUE AND begs to state that every information respecting any of the above companies may be had on personal application, or by letter, as to PURCHASES and SALES, with advice as to the most desirable investments.

From the close proximity of his offices to the Stock Exchange, and also the Mining Exchange, he is enabled to act with promptitude on all orders entrusted to him in the PURCHASE or SALE of every description of stocks or shares, at nettyrices for cash or formightly settlements.

PORCHADE OF SALE OF EVERY description of the Control of the Contro

(Two in Cornwalland Nineteen in London.)
Bankers: The Alliance Bank, and the Union Bank of London. The present is an unusually favourable period for the investment of capital in bon

ide concerns.

A SELECTED LIST of Railways, Banks, Financial, Foreign Funds, Steamships
Foreign and Cornish and Devon Mines, American and Colonial Securities, &c., sent or
populcation, with special recommendations as to investments, &c., on the distinct
cerstanding that any business resulting through his information or advice may be don

through him.

PETER WATSON, Stock and Sharedenier, 79,01d Broad-street, London, E.C.

N.B.—References given and required (when necessary) in all the principal towns of the United Kingdom.

PROFITABLE INVESTMENTS.—The ruinous losses that have

been recently incurred by shareholders, deluded by specious promises of unusually large dividends into making injudicious purchases, prove the folly of indiscriminate specialism, and the value of sound practical experience.

Mr. Edward Cooke, having been connected with the Stock and Share Markets for upwards of 20 years, is well competent to advise capitalists upon the purchase or sale of British or Foreign Stocks, Railway, Bank, Insurance, Financial, or Mining Companies Shares, and all Miscellaneous Securities. Business effected at the closest market quotations.

nies Shares, and all Miscellaneous Sconfilles. Business enected at the crosses market quotations.

Prince of Wales and Tresavean shares should be bought, as there is every probability of a great rise in the course of the coming two or three months. The present price is so ridiculously low that there is a large margin for profit.

Satisfactory references given in any town in the United Kingdom.

Bankers: Alliance Bank, Lothbury.

Offices, 2, Crown Chambers, Threadneedle-street, and Mining Exchange, E.C.

MR. J. W. HUTCHINSON, 78, OLD BROAD-STREET, and MINING EXCHANGE, LONDON, E.C., tenders his services to the public in the sale or purchase of mining and other securities, at close nett prices. A selected list on application.

MESSRS. McNEILL AND LONG, STOCK, SHARE, AND MINING DEALERS,
7, POPE'S HEAD ALLEY, LOMBARD STREET, E.C.
Bankers: Alliance Bank.

Bankers: Alliance Bank.

M. R. WILLIAM MARLBOROUGH, 1, GREAT ST. HELEN'S, BISHOPSGATE STREET, LONDON, E.C. (Established 12 years), has FOR SALE the FOLLOWING SHARES, at nett prices:—5 8t. Ives, £7\(\frac{1}{2}\).

5 8t. Ives, £7\(\frac{1}{2}\).

50 Central Minera, 30s 6d.

4 80 No, Chiverton, 29s. 6d.

45 East Rosewarne, 22s. 6d.

66 Prince of Wales, 10s.

10 Cilliford, £8\(\frac{1}{2}\).

2 Providence, £22\(\frac{1}{2}\).

5 No. Treakerby, £2 8s 9d.

1 Wheal Seton, £187\(\frac{1}{2}\).

5 Great Wh. Vor, £17\(\frac{1}{2}\).

5 Great Wh. Vor, £1\(\frac{1}{2}\).

JOHN RISLEY, 32, LOMBARD STREET, and MINING EXCHANGE, LONDON, E.C., has SPECIAL BUSINESS in East Grouville, Wheai Builer, and West Caradon shares.

M ESSRS. THOMPSON AND CO., SHAREDEALERS, 17, BISHOPSGATE STREET, LONDON, recommend an immediate purchase in Clowance Wood Mining shares, as the best speculation in Cornwall. Special and latest reports, and information, forwarded on application.

Pedn-an-force and Sparnon shares are also recommended.

Stocks and shares of every kind bought and sold.

MR. D. STICKLAND, M.E., having had upwards of 40 years' mining experience in Cornwall, several years of which he has had the entire management of mines therein, enables him to GIVE GOOD ADVICE thereon.

MINES INSPECTED and faithfully REPORTED ON. DEALER IN MINING, RAILWAY, and OTHER SHARES.

Temporary offices, 78, Shrubiand Grove, Dalston.

INVESTMENT, LOAN, AND BANK AGENCY.—
Investments effected in Stocks, Shares, and other Securities, and 75 per cent. of
the purchase-money advanced, if required, subject to quarterly or half-yearly repayments.
Loans negotiated on Public Securities having a market value, interest allowed upon
deposits, and every description of Bank and Money Agency business undertaken.
No. 12, Clement's-lane, Lombard-street, London, E.C.

ettlement.
Parties of respectability can have transfers registered into their names previous to ayment.
Daily price list on application.
Bankers: London and County Bank. M ESSRS. WARD AND JACKMAN, STOCK AND SHAREDEALERS.
No. 1, CUSHION COURT, OLD BROAD STREET, CITY, E.C.
Bankers: London and Westminster, Lothbury.

M R. JOHN BATTERS, STOCK AND MINING SHAREBROKER, 13, THROGMORTON STREET, LONDON, E.C.

MR. T. P. THOMAS, MINING AGENT AND AUCTIONEER, 3, GREAT ST. HELEN'S, BISHOPSGATE STREET, LONDON, E.C.

MR. T. E. W. THOMAS, MINING AGENT AND GENERAL MINING SHAREDEALER, 18, UNION CHAMBERS, UNION COURT, OLD BROAD STREET, LONDON, E.C. Mr. TROMAS has SPECIAL BUSINESS in North Dolcoath, North Miners, Wheal Hartley, Mary Ann, Minera (Wrexham), and Bedol-Aur (Holywell).

MESSRS. LANE AND GIBBS, 2, ROYAL EXCHANGE, LONDON, E.C., AND MINING EXCHANGE, STOCK AND SHARE-DEALERS, AND FINANCIAL AGENTS, transact business in all kinds of securities at cleans task runging for each or securities. t doesn nett prices for cash or account.
SPECIAL BUSINESS in Chontales, Mineral Rights Association, Zacatecas, Fron-no, and Calebeck Felis, either as BUYERS or SELLERS, for cash or the fortnightly

NOTICE OF REMOVAL.

MR. J. B. REYNOLDS has REMOVED to Nos. 70 and 71, BISHOPSGATE STREET WITHIN, LONDON, E.C.
Mr. REYNOLDS transacts business in British and Foreign Stocks, Government Securities, Banks, &c. BUSINESS, cash or time:—
Chontales Gold. Bryn Gwiog. West Sharp Tor. Central Snallbeach. Frontino Gold. Prince of Wales. Great South Chiverton. N.B.—Credit Foncier and Mobilier of England, as well as the other financial companies.—June 9, 1866.

BARTLETT AND CHAPMAN, having extensive dealings, either as BUYERS or SELLERS, in ALL KINDS of SECURITIES, are always in a position to transact business at the market prices of the day, free of commission.

Bankers: London and Westminster.

WANTED TO PURCHASE: -200 Great South Chiverton, 100 East Chiverton, 50 Rosewarns Consols, 50 Chiverton Macr. 20 Great Por-VV 100 East Chiverton, 50 Rosewarne Consols, 50 Chiverton Moor, 20 Great Fortune, and 100 East Grenville. Lowest price for cash will meet with prompt attention.

BARTLETT and CHAPMAN, Sharedealers, No. 2, Bucklersbury, London, E.C.

SHARES FOR SALE:—10 East Lovell, 10 Providence, 50 South Condurrow, 10 Rosewarne Consols, 50 North Jane, 100 North Basset, and 50 Redmoor. A correct list of prices will be forwarded on application.—Bartlett and Charman, Sharedealers, No. 2, Bucklersbury, London, E.C. Cheques to be crossed London and Westminster Bank.

MR. WALTER TREGELLAS, 122, BISHAUL STREET WITHIN, continues to deal, at close market prices, in all good so DIVIDEND and PROGRESSIVE MINES, either for cash or the account. WALTER TREGELLAS, 122, BISHOPSGATE

MR. J. P. ENDEAN. SHAREDEALER, &c., of 25 years' experience, DEALS, and NEGOCIATES the SALE and PURCHASE of SHARES in Mines, Banks, Hotels, Water-works, Bridges, Canals, and every other marketable security, at nett prices, for each or the fortnightly settling.

5, Finsbury Chambers, London-wall, E.C.

OUTH LEISURE.—Mr. J. P. ENDEAN has SPECIAL BUSINESS in 1000, or any less number, as BUYER at 25s., or will SELL at 27s. 6d. per share. State number and lowest price.—3, Finsbury Chambers, Londonwall, London, E.C.

THE BRITISH AND FOREIGN MINING AGENCY, AND GENERAL INVESTMENT OFFICES, No. 5, FINSBURY CHAMBERS, LONDON WALL, LONDON, E.C.

WILLIAM MICHELL has the FOLLOWING SHARES to DISPOSE OF, at market prices:—
1 Seton. 100 Prince of Wales. 50 Grenville. 100 Clifford. 100 Chontales. 100 Grent Retallack (offer 20 East Caradon. 50 East Grenville. wanted).

And a BUYER of—

10 Frontino.

5 Great Laxey.

50 East Russell.

40 Central Minera.

50 North Treskerby.

50 Mineral Rights.

CHOWTALES—"A. T. A." (Plymouth).—1. I would advise you to defer your purchase until the machinery is erected. You may have a "spec" or two in something else in the meantime.—2. It is about six weeks since the last call of 10s, per share was made. They will not require another for some time.

W \_ LG — E—"T. H." (Camborne).—1. You may well ask "What's become of the £17,000 reserve?" This is a question I cannot answer you. They seem to be worfully out of their calculation. The drop in the has been a partial cause.—2. I have not seen their last statement of accounts. I should think any shareholder would let E— T G— E—"P. C." (Dublin).—Another month's cost heads.

rou look at it.

E — T G — E—"P. C." (Dublin).—Another month's cost should be charged up tere to show the true state of their liabilities.

Apply to Mr. Michell, 42, Cornhill, London, E.C.

MR. THOS. THOMPSON, MINING OFFICES,

THE GREAT LAXEY MINING COMPANY (LIMITED),
THE EAST SNAEFEL MINING COMPANY (LIMITED),
THE EAST SNAEFEL MINING COMPANY (LIMITED),
THE EAST AXEY MINING COMPANY (LIMITED),
THE REINNIE LAXEY MINING COMPANY (LIMITED),
THE CENTRAL SNAILBEACH MINING COMPANY (LIMITED),

THE CENTRAL SNAILBEACH MINING COMPANY (LIMITED).

MESSERS. WEBB, WADGE, AND CO.,
MINING ENGINEERS, AGENTS, AND SHAREDEALERS,
PLYMOUTH.

WEBB, WADGE, AND CO. (late Edwin II. Wadge) beg to inform their friends
and clients that they have rande arrangements with Mr. Edwin II. Wadge (for two
years the chief representative and manager of the extensive business of Harvey and
Co., Clarence Chambers, Manchester), and that his business will henceforth be transacted under the name and title of WEBB, WADGE, AND CO., at No. 9, CRESCENT
PLACE, PLYMOUTH.

WEBB, WADGE, AND CO., occupying as they do a central position in the heart of
the mining district, will be enabled to acquire authentic information of all mining properties, and to advise their clients with the utmost correctness and punctuality. They
will be also able to faithfully report the progress and exact position of the various.

In which their clients have embarked.

Address, Messers. Wasns, wange, and Co., South of England Mining and Engineering
Offices, 9, Crescent-place, Plymouth.

CAUTION .- BEFORE BUYING A MINE SHARE READ TREFOR AND CO.'S "MINES AND MINING," and learn the enormout risks and heavy losses awaiting all who enter on mining without experience. To it young adventurer its persual will save scores, or perhaps bundreds, of pounds. Price 8, Forwarded by Mr. C. J. Chapman, 3, Upper John-street, Barnsbury-park, London, N.

CAPT. RICH, BODMIN, CORNWALL, being in the centre of the mining districts of Devon and Cornwall, and having had 25 years' experience in the management and inspection of mines, OFFERS HIS SERVICES to INSECT and REFORT on MINES in either of the above counties. Orders promptly attended to.

CAPT. J. RABEY OFFERS FOR SALE FIFTY SHARES, at the nett price of £3 per share, in the CAI-R-PANT MINE, joinining the great Minera Mine, and one of the bes prospects in the district, being all whole ground, and the mine paying for itself now at the shallow depth of 40 yards.—Address, Captain J. RABEN, Coedporth, near Wrexham, Denbighshire, North Wales.

PRITISH AND FOREIGN INVESTMENT.

MR. THOMAS SPARGO, 224, and 225, GRESHAM HOUSE, OLD BROAD

STREET, LONDON, E.C., TRANSACTS EVERY DESCRIPTION OF BUSINESS.
In the PURCHASE and SALE of SHARES in BANKS, CAMADS, MINES, RAIL

WAYS, BRIDGES, INSURANCES, and ALL OTHER DESCRIPTIONS of BRITISH

and FOREIGN STOCK.

Mr. Spargo has 20 years' experience of mining, ten of which hawas engaged in prectical mining, and ten years he has transacted business in mining above and stork, at

224 and 225, Gresham House, Old Broad-street, City, E.C.

Bankers, Bank of London.

#### Original Correspondence.

#### WORKING COAL BY LONG FACE.

WORKING COAL BY LONG FACE.

Sir,—The duration of our coal fields is a question which appears to engage the attention of many writers in the Mining Journal at the present time, not that there appears any new feature connected therewith, excepting that the duration of such present estimates are short as compared with estimates already given at various periods by different authorities, who appear to have given this subject their attention, and, from the position which they have held in the coal trade, have been looked upon as mer well informed on this question. But, whatever the estimated period may be, it certainly belongs to the present age either to facilitate or retard is consummation; and, being a question (as acknowledged) of such importance, it becomes necessary for all connected with its production to pursue that course which is calculated to economise the yield of our various coal fields. The modes or systems of working or getting coal have varied in each successive age, from the commencement of coal mining up to the present time, such alterations being consequent on the introduction of progressive improvements connected therewith, and from difficulties arising from conimprovements connected therewith, and from difficulties arising from conimprovements connected therewith, and from difficulties arising from contingencies attending increased mining operations, as well as having the object in view of procuring an article of the greatest possible commercial rallee, and the largest amount of merchantable coal from a given area, each of which may be considered sufficient to warrant the adoption of any scheme or which may be considered sufficient to warrant the adoption of any sengale calculated to obtain such important results. Yet, notwithstanding the ei-dent and manifest desire that exists to adopt means whereby coal mires may be rendered as profitable and remunerative as they can practically be made, it is to be feared that the subject of adopting the most suitable made of working coal does not obtain that thought and attention which it merts. We are led to make this observation by observing modes and systems fillowed of working coal which may be considered peculiar to the district or locality in which we find them in operation, rather than to the peculiarities or circumstances of the seam itself; and further, we may notice that such is persevered in to the prejudice of the claims and merits of other systems that might prove highly remunerative if allowed to be adopted.

Now, as prejudices of every character are inimical to the advantages and prosperity of all establishments, it may not be too much to assume that the advantages and benefits are not realised that would accrue if systems or suitable modifications were adopted to meet those circumstances or con-tingencies under which all mines, more or less, exist, rather than follow in the track of local routine any system whose principal merits may rest only in being most accustomed to it; for it is obvious that if any system be persevered in that would prove advantageous to alter to some other, it can only be followed and carried out at the expense of the merits and bene

can only be followed and carried out attne expense or the merits and benefits calculated to arise from the adoption of such suitable modification.

The knowledge and experience possessed by the mining faculty generally is sufficient to place this question beyond the possibility of incurring any considerable expense in testing by trial the claims and merits of those different modes of getting coal suitable to the circumstances of the mine, or the locality it may be placed in. I should not advise incurring any considerable expenses in expensions upon the placed in. siderable expense in experimenting upon any question or scheme not acc-quately understood, or at least clearly comprehended. But seams of coal are generally found beset and attended by circumstances of such a varied character as to render it necessary to alter and modify the general features of any scheme followed generally in working, and such may assume a character sufficient to warrant the abandonment of the system itself, and the adoption of one totally different in character, in which case time e decides. The necessity of accommodating a mode to the circum-ces of the mine itself rather than attempt to force a system against it, as been sometimes a matter of controversy as to the relative merits of the different systems at present followed; this, as a question resting on attendant incidents of so dissimilar a character, may claim a preference for one mode over all others, according to the circumstances under which it may be adopted: yet, nevertheless, it still remains a question worthy the tion of all interested, to consider the claims of each particular mode

All other things being considered.

Having had considerable practical experience in the different modes fol-Having had considerable practical experience in the different modes followed at the present day, from which I venture to express myself in favour of the long work system, with its various modifications to adapt itself to the seam of coal wrought, in preference to the ordinary pillar and stall; yet let it be understood that, under certain and special circumstances, I would adopt the latter in preference to the former, but such may be taken as being more exceptional than general. I have often observed the nearer the pillar and stall system in its modification approaches to the long work, the more economically, consequently more beneficially, the coal is wrought. In the North of England the pillar and stall is almost universal. The oldest schemes were to work away the coal by bords driven as near to each other as the weight of the superincumbent strata would permit, that part left between such bords being intended to be sacrificed: in many cases part left between such bords being intended to be sacrificed: in many cases the less enstained by this mode could not be less than from 40 to 50 per cent. on the acreage. After this, and contemporaneous with the introduction of the safety-lamp, pillars were formed and left of size sufficient to protect it from any creat pressure from the strata above, with the object cent. on the acreage. After this, and contemporaneous with the introduction of the safety-lamp, pillars were formed and left of size sufficient to protect it from any great pressure from the strata above, with the object of returning for working the same wholly away; the coal, by this means, has been got at a very small percentage of loss on the acreage, but has suffered greatly by the very large percentage of small coal produced, such neing, in a great many instances, in some of the rich bituminous coal mines in Durham and Northumberland, equal to 40 per cent. This loss is occasioned principally by the smallness of the pillar left, as compared with the weight and nature of the overlying strata. To obviate the great loss arising from such, a mode has subsequently been adopted in many collieries of leaving these pillars as large as the safety and convenience of the ventilation and other circumstances will permit, and has proved to be highly advantageous, such modification tending or approaching to the principles of long work. Long work has generally been wrought by means of packgates through the gob. Taken, a length of face of coal, unbroken by any previous workings entirely away at one operation, but such is not an essential in the system. Coal may be wrought by long work, either by packed gates or by openings driven at convenient distances, according to the nature and texture of the overlying strata. This is a question that, by observation and judicious management, will suggest its own modification. Yet I may venture to assert that in all cases where the coal is of a tender yielding nature, or of open distinct cleavage, it is necessary to work it in such a position as to present the line of cleavage at right angles to the yielding nature, or of open distinct cleavage, it is necessary to work it in such a position as to present the line of cleavage at right angles to the working face, or what is usually termed end-on, such face being the line of resistance to the weight of the strata above, for however successful you may be in protecting your coal as a mass, or your roads, you cannot may be in protecting your coal as a mass, or your roads, you cannot equally protect the working face from its influence more or less; and when such face, or line of resistance to the pressure exerted by the strata above, is presented in a line with the cleavage, it must necessarily follow that such will tend to open at every parting or facing, thus destroying the compactness of the coal itself, and reducing it to a mass of strakey and shiny coal. Now, this is greatly, and in many places entirely, obviated by the end-on mode of getting coal by long work, producing a more compact carriage-bearing coal, enhancing its value in the market, as well as reducing the produce of slack or small coal to a comparatively small percentage, which in itself is a very important result. This may be considered as having reference more particularly to soft coals, or those of any texture naving reference more particularly to soft coals, or table of any texture that have their lines of cleavage near to each other, rather than to those of a more hard, indurate coal, whose face lines or cleavage are at some distance from each other, and not at all defined by lines of foreign matter; for in all cases where the end-on mode is adopted the price per ton for labour in getting it is more than in the ordinary face-on mode. Although this advance has to be made in the former case of soft coals, it will bear ost favourable comparison in its results; while in the latter the advanc require to be proportionably higher in most cases, and the result would be proportionably less.

Opinions held as to the superiority of any one scheme over another ought in all cases to be formed from practical experience and tangible results, for it is only by such that convictions in the value of any scheme connected

avocations can be made self-evident. As an example of enhancing the value of a seam of coal by adopting a system suiting its condition, I may state that at a colliery in Yorkshire, in the Haigh Moor seam, the system of long work on the end was introduced, in place of the ordinary mode of driving bord-gates out and banks home, which has resulted, in addition to a considerable increase on the produce per acre, in reducing the quantity of slack fully '12 per cent., which at a difference of price of 4s. per ton will amount to 2l. 8s. increase on the sale of every 100 tons; and in addition to which a coal of a more compact character is obtained, consequently more able to bear carriage without falling to pieces before it reaches its destination. Anyone who has had the op-portunity of observing the unloading of coals at their destination cannot

but have noticed the waste amongst them, occasioned by so large an amount of small coal (almost dust) that is found regularly mixed through hem, presenting the appearance of unscreened coals.

In long work, either bord or end on, it has generally been (as I noticed before) a practice to carry out the system by means of packed roads through the gob, and, no doubt, when the conditions of the mine are such as are favourable to the same, it is, perhaps, of all other modes of long work the most advantageous. The circumstances generally attending a great many favourable to the same, it is, perhaps, of all other modes of long work the most advantageous. The circumstances generally attending a great many of the mines of Derbyshire, Nottinghamshire, Leicestershire, and Yorkshire, appear to favour this practice, by which mode they are so successfully and satisfactorily wrought; but yet in the above counties, as well as in others, peculiar attending circumstances under which to attempt to enforce the same system could only result in useless expense and disappointment. Where packed gates are not convenient, it will be found often advantageous to drive heads the required distance, and open off a length of face to each head, such length requiring to be adjusted by the thickness of the seam of coal. In seams of 6 feet, or near to it, perhaps 30 yards of face will be found to be sufficient, so as to allow the coal produced in that of the seam of coal. In seams of o feet, or near to it, perhaps of yards of face will be found to be sufficient, so as to allow the coal produced in that length to be got out quickly, and thus enable the face to be pushed forward in time sufficient to escape the gradual approaching weight from the gob behind. This will be found to affect all conditions of long work, and experience, based on observation, is the only rule that can be followed in gob behind. This will be found to affect all conditions of long work, and experience, based on observation, is the only rule that can be followed in adjusting the length of face to the conditions of the mine. I had my attention called to a case which may tend to show partly the necessity of having the face of the coal in proper lengths. In a seam of coal 5½ ft. thick, a stall with a length of face of 5½ yards had only one packed gate-road into it, in consequence of which the stall could not be driven forward that the latter of the coal that the stall could be the full reader. into it, in consequence of which the stall could not be driven forward quicker than 1½ yard per week; this caused it always to have the full pressure of the gob upon the face, which proved very destructive of timber, and resulted at last in falling across nearly the whole length, destroying most of the timber. After many attempts to recover the face, and as often failing, I decided at last to divide the distance into two 27-yard stalls, by striking out of the main gate a branch one, thus getting two roads into it, with two sets of men, by which the face has been removed three yards per week, obtained double the weight of coal per day from this length. It has been driven in this manner now for 25 yards, and there has never been the least inconvenience felt during that time. Short stalls are capable of producing more coals per day per length of face than can be sent from long stalls in seams of 5 feet and upwards, as from experience I find that a set of men in a 30-yard stall can send as many coals per day from it as another set can send from a 40-yard stall, with advantage to themselves and a saving of timber to the owners. The expense of keeping the gates in a saving of timber to the owners. The expense of keeping the gates in repair may be thought to increase in the ratio that the length of face derepair may be thought to increase in the ratio that the length of face decreases, in consequence of there being more gates in a long length of face; but, owing to greater regularity of the settling of the gob, occasioned by the face being removed quicker. I amstrongly of opinion that short faces of coal will make better, and consequently easier, repaired gates than long lengths. Another feature connected with this operation as a protection for the tim-Another feature connected with this operation as a protection for tenther in stalls is to work a long length by step work, one stall being driven in advance of the next following to such distances to be proportionate to the practical forming of an air-way from one stall to another. This form of working by stepwork affords a protection from any very excessive weight being thrown upon the face, and will enable the length of coal face to be extended to any distance; one stall being by this means at a sufficient distance in advance of another tends to protect each stall from that extraneous pressure which could not fail to exert itself if the face were of

In the first stage of this operation, care and judicious supervision is an In the first stage of this operation, care and judicious supervision is an essential to its ultimate success; for, from the first opening out of a length of coal, whatever that length of face may be, it is generally attended with no difficulty, and very little inconvenience, until what is termed the first weight comes, this being the first break made in the superincumbent strata above, by which the whole weight of this strata is brought to bear on the packs made for its support, and the timber used for protecting the face, the whole of which is generally sacrificed when this takes place, and to restore all to a proper working order again requires often much time and attention, and constitutes one of the principal difficulties attending long work. This first break has, I believe, been the means of discontinuing the scheme in many instances, and has done more towards reading its the scheme in many instances, and has done more towards retarding its adoption as a system generally than any other objection that has been arrayed against it. For, although where it is not practicable or convenient to form and maintain gob-roads (gates), heads can be driven, and the coal in the same long face by step work brought back, leaving the gob and its inconvenience behind. Yet I would advise, where the circumstances are of such a character as to permit of gob-roads being made and maintained at a reasonable outlay and cost, to work the coal by them, in preference to driving heads, for such cuts up the coal, an operation greatly to be avoided, and in doing which we claim a preference for long work, as being the most effectual means of preserving the coal from being broken up into small frag-

mentary pieces, so as to render a large proportion of it unsuitable for mar-ket, and reducing its value accordingly as a merchantable article.

A very important adjunct to this system has been recently applied to effect a saving of the material from breakage, so as to reduce the tion of slack or small coal to a minimum—I mean the employment of coal-cutting machines. These machines are, no doubt, destined to effect a great revolution in coal and ironstone mining; the results which they are calcurevolution in coal and ironstone mining; the results which they are calculated to produce are sufficient to warrant their adoption in all seams where they can be practically applied. Apart from any saving they may effect in the cost of production, which will be considerable in many cases, the saving alone of the material will enhance its value, so as to employ them at a profit. Moreover, there are many thin seams of coal, at present worthless, which may be, by the aid of these machines, rendered workable at a profit, and to such appliances do we look forward as the only means whereby our coal fields can be made productive for the longest duration; for it may prove wiser at present, and in future, to render available for merchantable purposes all coal at present known in thin seams, and to work both them and all other coal in a manner so as to effect the greatest saving from breakage, than to depend for our further supply for coal, after saving from breakage, than to depend for our further supply for coal, after recklessly sacrificing a great portion of it, at fabulous depths, under the Permian formation, which may prove ultimately to be not so productive of coal as many have imagined it to be. This being a question foreign to the subject under consideration, I shall return to it at some future time.

Kippax, Yorkshire, June 5.

C. Hodgson.

#### MINING PROSPECTS IN BRAZIL.

SIR,-In 1824 or 1825 the Emperor of Brazil granted a decree, autho rising English companies to purchase "Lavras abandonadas"—abandoned mines or gold washings. As was to be expected, this was the mere prelude to the liberty of buying mines in actual produce, but it was a most unhappy mode of expression. It was a most unhappy mode of expression. It was a most unhappy mode of expression. It was a most unhappy mode of expression, because to the minds of most men it conveyed the idea tantamount to saying "mines that are worth nothing," and thus it turned out. The first mining companies never deigned the slightest investigation of the wealthy Cordillera of Ouro Preto. It has been reserved for the manager, weathy Cordillera of Ouro Freto. It has been reserved for the manager, Capt, Thomas Treloar, of the two mining companies now established—the Don Pedro North del Rey and the Anglo-Brazilian Gold Company—to dispel the illusion that this Cordillera, as to its riches, is a mere thing of the past, that it has had its day, and that from Dan to Beersheba all is barren. The dispelling of such illusions is no slight proof of the progress of ideas, and the attention of English capitalists will henceforth be attracted to the design of the improvement of the low, registed dis the immense resources of the long-neglected dis The auriferous formations, both of rock and jaco to the devolopment of the immense re trict of Minas Gerais. tinga, of this Cordillera can be traced from Velloso to Camargos, a distings, of this Cordillers can be traced from veiloso to Camargos, a distance of five leagues (twenty miles). History attests to the accounts of the riches extracted, and to us, reaching them now, they appear to be fabulous. Some years ago a German geologist, then the Government engineer, gave it as his opinion that the whole of the Cordillers ought to be taken up by English mining companies.

taken up by English mining companies.

It is my opinion that the jacotinga formation is the effervescence of the upheavings of nature in remote ages, by the action of subterraneous heat, from some unknown matrix, and that afterwards it was spread by aqueous influences over a vast tract of country. It is difficult to know whether the jacotinga formations be only deposits on non-auriferous rocks, or whether they be deposits resting on auriferous lodes. A German geologist, Mr. Hockeder, gave it, I believe, as his opinion that the Gongo Soco inections rested on limestone. Judging from the features of Magnipé. jacotinga rested on limestone. Judging from the features of Maquiné, and of other parts of the Ouro Preto Cordillera, I incline to the belief that the Maquiné jacotinga, whenever it comes to an end, will be found to rest on the general auriferous rock formations which run through the said Cordille

These upbearings of auriferous formations exist in abundance all along the Cordillers, and the surface, generally speaking, has been riddled by

the early gold explorers in the Californian epoch of Brazilian mining. But by the discovery made at Maquiné, by the Don Pedro North del Rey Company, we have a proof that, even with all the avidity of the early gold explorers, there are still points even at the surface which have escaped their ravages. The Don Pedro North del Rey Company possess a noble property in the Cordillera in question, in the Morro de Santa Anna Mines. Their manager, years and years ago, maintained the conviction that gold existed in the jacotinga formation at Maquiné, and, under many baffling attempts, has succeeded in putting on a palpable basis the evidence of the correctness of his ideas. Maquiné, whilst it does credit to his judgment, will surely be a source of enormous wealth to the company. When there last month, the samples taken and washed in my presence were truly splendid. This I saw; and now, referring my readers to the printed reports, it is there substantiated that the vein averaged 220 oits of gold to the ton of staff. The produce for the month, from this place alone, was 6000 oits., 2000 of which were extracted in three days. It has to be borne in mind that the mine is only just being opened from the surface. The nature of the Cordillera is such that veins of gold may be found which may astonish the mining world. So far as now seen the features are of so gratifying a description that I do not think it any exaggeration to suppose that Maquiné alone, even if it lasts only ten years, will afford a nest profit of more than a million sterling. Besides the beds of jacotinga at Maquiné, this company have other beds of jacotinga at Tambor and Matador. The Anglo-Brazilian Gold Company also possess a noble property in this Cordillera in the Passagene Mines, and, when the well-planned measures for developing them are fully carried out, such an immensity of ground will be opened and drained that good dividends must be the inevitable result for a very long series of years—perhaps, 100 years. the early gold explorers in the Californian epoch of Brazilian mining But by the discovery made at Maquiné, by the Don Pedro North del Rey

measures for developing them are fully carried out, such an immensity of ground will be opened and drained that good dividends must be the inevitable result for a very long series of years—perhaps, 100 years.

These companies, I believe, will have to record with gratitude the eminent services of their present manager. He had to begin everything, and from a chaos he is bringing everything into excellent order, and this could only be effected by good administrative talent, practical knowledge, and the vigilant supervision which he exercises over the minutest matters affecting the well being of the establishments.

Adjoining the Anglo-Brazilian Gold Company's property are the mines of Padre Faria, Velloso, &c., and these probably are the richest in the Cordillera; rich auriferous veins abound in these mines. These veins converge to centres, and these centres manifestly converge to a common centre in the mountain; the latter cannot be very distant from the old workings, but it has not yet been reached, and the configuration of the mountain, and other circumstances, lead to the conclusion that this common centre is a rock formation, larger, richer, and more easy to be worked than the rock formation at Morro Velho, belonging to the St. John del Rey Company. Some of the stone or ore when these mines were last worked yielded 70 ozs. of gold to a ton by assay, and the stone generally as stamped yielded 7 to 9 oits. of gold per ton, but the present owners are doing nothing to turn this valuable property to account. Adjoining the Don Pedro North del Rey property are the mines of Bomquiné and Taquara Lucimada, where a struggle is going on as to who are the legal owners. My present paper already exceeds the limits I had assigned to it, so I will only add that all this—yes, all this rich Cordillera was, thus to speak, under the ban of the empire from 1825 to 1863, arising from the ill-fated expression in the decree—"Lavras abandonadas." Let us hope for a triumphant refutation of this unfortunate misnomer, by the speedy intro

unuer the pan of the empire from 1825 to 1863, arising from the ill-fated expression in the decree—"Lavras abandonadas." Let us hope for a triumphant refutation of this unfortunate misnomer, by the speedy introduction of British capital to extract the hidden wealth of this Cordillera. I believe that it will be so; I believe that, sooner or later, the whole of the Cordillera will be taken up by numerous mining companies, or by one immense company having numerous branches.

J. O.

#### BOILER EXPLOSIONS-INSURANCE.

BOILER EXPLOSIONS—INSURANCE.

Sir,—I noticed with much regret four boiler explosions reported in last week's Journal as having taken place at mines and collieries—two caused loss of life, two caused serious personal injury, and all caused great loss of property. I do not see that any one boiler was insured or under inspection. I am astonished at the apathy shown by many boiler users in respect to the great advantages offered by the leading insurance companies, as providing regular inspection by thoroughly competent people, securing the repayment of the value of the boiler when insured in case of explosion; and in one case, that of the National, giving a reduction of 10 per cent. on the premiums for using Smith's Safety-Plug, which reduces the chances of explosion to a minimum. I am perfectly confident that had one of these plugs been in one of the boilers which exploded no explosion would have taken place, while in all cases, had they been insured, their users would receive compensation—a trifling help towards their loss.

June 7.

CURMADINE GUNNELS.

## SUBMARINE TUNNELS.

Sir.—Nearly 13 years ago you did me the favour of giving insertion in the Mining Journal to a communication on "Iron Submarine Tunnels." The idea at that time probably appeared chimerical to many, but it seems that we may yet live to see a submarine communication established between France and England. According to the public papers, M. Thémé de Gamond is engaged with a body of engineers, by direction of the Emperor of the French, in devising or verifying plans, &c., for the construction of a work of the kind.

peror of the French, in devising or verilying plans, &c., for the construc-tion of a work of the kind.

If I may venture an opinion, the project of cutting a tunnel through the soil and rock will meet with the difficulties, accumulated to an indefinite degree, that were encountered in the construction of the Thames Tunnel. The shingle and sand on the French side of the Channel would seem to

present insuperable obstacles to such a work.

The construction of an iron tunnel would not have the same difficulties The construction of an iron tunnel would not have the same difficulties to encounter. By an improvement on my suggestion, contained in your Journal of June 18, 1853, relative to an iron railway tunnel under the Thames—namely, sinking it in a trench across the bed of the river—the nature of the sea bottom would not be an important matter, so long as it possessed sufficient solidity. The greatest depth between Dover and Calais is 31 fathoms, and the sinking of an iron tunnel in the bed of the Channel would afford a ready means of applying materials for the protection of the iron from the action of salt water.

John Jos. Lake.

ON SLATE QUARRIES, AND THEIR MANAGEMENT.

Sir,—What has been written on this subject by "Cambrian Eryr" has undoubtedly created, and will create, great sensation amongst speculators in slate quarries, and will, I hope, be productive of much good. The subject has been well ventilated, and most of "Cambrian Eryrs" observations are such as would have been made known long ago by many a practical man, who had considered the subject well, had he been as gifted as "Cambrian Eryr" appears to be. But for all that I, for one, beg to dissent from him when he says "a quarry that employs from 300 to 400 men can be managed by one man," &c. I would most decidedly reply in the negative, and say that, however active and skiiful the manager of a slate quarry employing 300 to 400 men might be, it would be impossible for him to do his work effectively, nor nearly so. I should not be at all surprised that "Cambrian Eryr" is a Carnarvonshire man, and possibly more accustomed to the slate quarries of Carnarvonshire than those of any other place, which as a rule are not chambered underground, as is the case in the principal slate quarries in Merionethshire. It at least requires double the circumspection and care in a slate quarry of the latter description to what it does in the former. Watch the progress of the slate bar--What has been written on this subject by "Cambrian Eryr" has tion to what it does in the former. Watch the progress of the slate bar-gains, and give them your best attention during the current month, still you will be in the greatest danger of being cheated at the ensuing letting gains, and give them your best attention during the carrent month, stindy out will be in the greatest danger of being cheated at the ensuing letting day, for many there are who are so unprincipled as to ask double the price they should for working a slate bargain. The men will take good care to describe the slate rock to their own advantage, and to hide foot-joints, &c., advantageous to themselves. The anxious work it requires, therefore, to watch the progress of so many slate bargains as are to be found at either of the following slate quarries—Welsh Slate Company's quarry (Palmerston's), Rhiwbryfdir Slate Company's quarry (Mathew and Son), and Holland's quarry, which for the most part are chambered underground: and let it be remembered that the darkness is so great sometimes, from fog and denseness of the smoke, that candles only assist to make the darkness more visible. I should say that to see one man attempting the management of either of the three quarries mentioned would be highly absurd, although the number of men employed at each of them is only from 300 to 400.

And, apart from this (and anyone skilled in quarrying knows it well), great tendency exists in many rockmen to be extravagant of the produce of the slate rock. In spite of the vigilance of the quarry manager, slate rock is, and will be, blasted to pieces by unskilful rockmen, and block smashed by labourers too ignorant to know the difference between a block that would yield a few slates and an unproductive one. In the latter

case, although the bargain taker would be close at hand, yet he would simply be a looker-on, and would permit his comrade to smash a block that would produce a few slates, because it would not pay him for the trouble, his poundage being too small; whereas a rubbler would have been glad of it, and have worked it, perhaps, for less poundage. It, therefore, follows that hardly too much attention can be bestowed to this portion of a quarry manager's business; and a vigilant and close observing manager saves a vast quantity of slate rock in marching and countermarching from one slate bargain to the other: and undoubtedly employing a sub-agent in a slate quarry employing 300 to 400 men would be of great assistance in doing this portion of the work effectively. It often happens that in one day he saves in value tripple his wages for one month. Festiniog, June 4. Festiniog, June 4.

PROSPECTS OF THE MINING AND METAL MARKETS.

Festiniog, June 4.

PROSPECTS OF THE MINING AND METAL MARKETS.

Sir.—It is quite evident that your correspondent of last week, who signs himself "Cornubiensis," has taken a copprehensive and correct view of the state and probabilities of British mining. Being corroborated by such an authority as Capt. Absolom Bennett goes a long way in proof of the justness of his remarks. Without in anywise trenching on the opinions and views of others, "Cornubiensis" says plainly if the foreigner has the advantage, the capitalist has his choice. He also says, do not be forever abusing mines and mining; very proper too, for that lately has been too much the prevalent cry. Almost all kinds of speculative properties have been considered immaculate but mining. It has been well for those who work miracles—or, to use an ancient phrase, "consult the oracles"—to keep up the continuous howl against mining. "Cornubiensis" snubs such parties in his caustic letter; he also deals the landed proprietors a gentle backhanded blow, when he says they will then, perhaps, learn to be liberal, merchants and men to be honest, &c.

It may be depended on, if some change does not take place, and that soon, the tin, copper, lead, and zinc mining of the United Kingdom will experience such a reverse to the onward progress it has for many years received, that even stolidity will be aroused, and those who have contributed most to the downfall of one of the principal sources of Britain's greatness will deeply repent their temporary and dreadful folly. A little observation will teach what headstrong impetuosity never will—caution. That little should be carefully husbanded; it will be found to be the true way to wealth in mining, far more safe, infinitely more ready, than all the gold mines of Wales or the Nevadas of America.

Of all the distant foreign copper mining adventures that have been successful and remunerative to the British adventurer few indeed are the number in comparison. When judged of fairly, these few do not come up to anything like equivale

have completely metamorphosed the localities in which minerals are to be procured.

It may be said by the reader—"Cui bono. All this we knew before. Come to the point at once. What is to be done?" We come to the point. Let the British public use caution. Let them learn dearly-bought experience, not to trust to golden impossibilities in America, in Wales, or in Corawall. Let them put the saddle on the right horse, and not condemn without reason, or rest their opinions on hearsay or glowing prospectuses. They may depend on it the old saying, "more cry the less wool." still holds good.

"Cornubiensis," again, takes a just view of the state of parties who have raised immense capitals on schemes out of which the promoters were to be paid their interest on the first instalment being realised. "Will they return the cash now they have the (legitimate they would call it) excuse of the drop in the price of metals?" It is a godsend indeed for them. They well knew that the schemes thus invitingly described never would or could pay, even should the prices of metals have advanced to twice the amount they have reached within the last 30 years.

I perfectly agree with your correspondent, that the home miner has nothing to fear, provided he has "a fair field and no favour;" but if capitalists will prefer foreign in preference to British mining enterprise—if landlords will be exacting, Governments dictatorial and oppressive, men headstrong and blind to their own well-being—we have but little hope for the future; and I truly hope the present depression will act as a caution for it may be depended on, let the present position of British mines be further circumscribed, and ruin must inevitably ensue.

I hope to see some more efforts of your correspondent's pen, when I will continue and enlarge on the subject, which I hold to be of national importance.

J. J. M.

PROSPECTS IN THE CHIVERTON AND GWENNAP DISTRICTS.

PROSPECTS IN THE CHIVERTON AND GWENNAP DISTRICTS.

SIR,—It is pleasing to see that, on the part of the public, a better feeling exists towards bona fide mining properties, and in several instances a rise in the price of stocks has taken place, consequent on the increased demand. It is now getting generally believed, and indeed felt, that this kind of speculation is by far the safest and freer from risk, when compared with the different financial schemes which have been brought on the tapis, to the utter rule of many, within the last few years. It was always a matter of surprise to me why the public placed their money with confidence in such hubbles in preference to legitimate mining, for there really is nothing that pays the investor so well as this class of speculation; and if we look at the comparatively small outlay connected with it, and the immense profits which are made, it is not at all to be wondered at that suble attention should be drawn to this kind of enterprise. The outlay on West Chivernon was scarcely worth calling by that name when they discovered one of the richest deposits of silver-lead ever found in this country, and which is now paying, and will for many years to come pay, handsome dividends to the property. To the west, and on the course of the same productive veins, is Chivernon Moons, which I have so often brought under the notice of your readers. A point of the greatest importance will come off here in the course of a week or two, which I have no hesitation in saying will fully confirm my reports, and I shall not be surprised to see at the end of another month the shares selling in the market at a much higher price than they now are. A mine of no minor importance is North Chivernon, the returns of mineral from which are only second to the great "Golconda" of the district (West Chiverton). The lodes in the different levels are producing good quantities of ore, and as the levels advance they are laying open large bunches of lead and blende, which will by-and-bye be sent to market, at a go

MINING IN AMERICA.—The number of States engaged in mining iron MAINTO IN AMERICA.—A no induced of States engaged in mining from its ten—Pennsylvania, Michigan, New Jersey, New York, Missouri, Massachusetts, Connecticut, Maryiand, New Hampshire, and Ohlo. Their rank, in the amount produced, is in the order named. New Hampshire and New Jersey raise mainly the magnetic ores; New York, the magnetic and hemalities; Connecticut hemalities; Pennsylvania and Ohlo raise the argillaceous ores of the coal measures; and Missouri and Michigan raise the compact red and black oxides.—New York Heraid.

COPPER MINING IN CALIFORNIA.—The vein on which the Union Mint? in Copperopolis, is located lies in a north-east and south-east direction, and dipping to the sastward at an angle of 16° to 20°, the footwall being a dyke of sepentine, some 20 ft. or 30 ft. wide, and the hanging-wall the ordinary slate of the country. The claim consists of 1950 ff., and has been open for a distance of 800 ft. from the northern end. The main shaft is vertical, and has reached a depth of 480 ft., with levels running each way at depths of 72 ft., 106 ft., 150 ft., 200 ft., 250 ft., 300 ft., and 383 ft. respectively. A cross is being started for a level, at the bottom of the shaft. The shaft cuts the vein at a depth of 72 ft., at which point it is 8 ft. wide, the chimney extending a distance of about 100 ft. From this down to the 250 ft. level it steadily increases in width until at that point it is from 25 ft. to 40 ft., the average of this level and the one next below being about 30 ft. On the two lower levels the chimney han or yet been struck. As far down as this chimney has been traced its length is about the same (100 ft.), while it dips to the north end of the main chate of ore the vein is divided by a horse, which extends through this claim and the Keyatone, forming two distinct veins. In the north shaft of the Union, the western vein is from 4 ft. to 5 ft. thick, and the eastern about 3 ft. on the lowest level in that shaft, a depth of 170 ft. At the south end of the chimney there is but one narrow vein, which is the south shaft has an average width of 3 ft., with from 20 in. to 24 in. of concentrated ore. I was told by the superintendent, Mr. Balch, that nearly 25,000 tons of ore had been shipped during the past year, and he estimates COPPER MINING IN CALIFORNIA.-The vein on which the Union Mine

that there are about 50,000 tons more in sight. There are now about 195 men in the employ of the company, nearly half of whom are employed in assorting the ores for shipment, as the low grade ores, being mixed with a large quantity of slate, require to be broken up and selected by hand. The machinery for holsting and pumping is, as may be expected in such a mine, of the very best. In the main shaft a safety-cage is used, which is the invention of Mr. Wm. N. Shaw, one of the employee of the company, which is one of theirnest perfect working machines of the kind in use.—San Francisco Mining

Mining in Canada.—A correspondent writes:—"I hear that the Americans are now looking after our mines for iron pyrites. The surface of the Marrington is covered with it in beds of various widths and thickness, there being a great demand for sulphuric acid for clearing and purifying coal oil. At the oil regions companies are being formed to purchase such properties, and manufacture the acids; the copper, of course, will be turned to good account by them. I noticed a remark of Mr. John Taylor's, at the meeting of the West Canada Company, in last week's Journal, that they want pyrites; his attention should be drawn to the large quantities of itst Ascot, Canada East. The enclosed paragraph, from the Montreal paper shows that the mines in Canada East improve in depth. Many people in England have the idea that the copper there is in pockets, the same as was at the Acton, which, I believe, now shows it in depth. The Buirath Mine, near the St. Francis. Gapt. F. Bennetts states to be on the same vein and the same straitfaction as St. Francis. The owners of the St. Francis, I hear, have no capital to work it; they depend on the saile of the ores to pay expenses of development, having exhausted all they subscribed."

RANG Experiment of the contraction of the agreement of the property of the suite of the property of the suite of the subscribed."

sy subscribed."
RARE SPECIMEN OF COPPER.—A beautiful block of the vitreous sul-NAME SPECIMEN OF COPPER.—A beautiful block of the vitroous sul-phuret of copper, just cut in the bottom of the shaft of the St. Francis Mines (now the deepest in Canada East), and to be seen at the St. Lawrence Hall, is likely to attract titention in mining circles. It has been remarked of late that a very decided change was taking place from the soft carbonates to a harder gangue, causing the core to be-come richer and more compact. The specimen shown us this morning is a complete il-instration. This rich block, taken from a depth of 230 feet below the surface, assays about 60 per cent. of pure copper. As a pure vein, it surpasses anything yet discovered in the Eastern Townships. Capt. F. Bennetts (the manager) expects to ship eight car onds of ore as the produce of this month.

THE WADGE TESTIMONIAL.—The presentation of the testimonial subscribed for by the friends of Mr. Erwin Harvey Wadge, F.G.S., of Manchester and Dublin, took place at the Albion Tavern, Aldersgate-street, London, on Friday, the 1st inst. The testimonial was in the form of a piece of plate, value 300 guineas, and a marble bust, executed by Mr. Neville Burnard, the eminent Cornish artist,—and presented to Mr. Wadge as a testimony of respect for his worth, and "as a public benefactor to the metallic interest of the kingdom." The event was duly celebrated.

metallic interest of the kingdom." The event was duly celebrated.

"IRISH INDUSTRIAL MAGAZINE."—We have just received the number for June (the sixth) of this serial. We have so frequently commented on the general usefulness of the work that it appears almost a repetition to say that it surpasses its predecessors in interest and variety. It is quite evident that the editor and his coadjutors warm to their work, and it is really a matter of surprise that a serial so very recently introduced, and on so novel a subject, should have taken such a prominent position amongst the periodical literature of the day. We confess we had some misgivings at the outset of the undertaking whether matter of sufficient variety and interest could be commanded to fill the pages of so extensive a sheet as 80 pages monthly. Not only is this schleved, however, but evidences are afforded that the subjects to be treated on (Ireland's industrial resources) are perfectly inexhaustible. The editor has done his country, Ireland in particular, good service by his admirable tact in so judiciously introducing his papers as not to embrace too many on one topic, but to vary them so as to create continuous interest in each and all. At a time when so many opinions are being uttered on the different projects for Ireland's permanent improvement, it will be well for those who desire to obtain correct and authenticated views thereon to study the pages of the "Irish Industrial Magazine." They will therein find most of them caimity and carefully considered, wholly divested of party or sectarian views, and treated in the most candid manner. The number for June contains papers on—the Rise and Progress of Books; Tourist Traffic, as a Source of Wealth; Facts generally Known, but greatly Disregarded; a continuation of industrial Progress; Wicklow Mining District, with two maps, completing the series; Labour Education of the Irish People; the liouses we Live in; Small Farmeres, and Tenant Right; Photography; Lace Making; Wood Work, and Tools Employed therein; P

in so elegant a loten, and wirk such an abundance of restly patriotic and useful information. It augurs well for, and is calculated to insure, a great auccess, and a high position for Ireland's only wholly industrial publication.

"GEOLOGICAL MAGAZINE,"—The June number of this magazine contains an admirable collection of original articles, comprising a paper on the Origin of Hills and Valleys, by Mr. Poulett Scrope, M.F.; on Traces of Permina Volcanoes in Scotland, by Mr. A. Gelkle; on Fossil Araucarian Cones, by Mr. W. Carruthers; and on Tufa Deposits in Flintshire, by Mr. G. Maw. The Notices of Memoirs embrace—on Rhinocron leptorhinus, by Mr. W. B. Dawkins; on Saurornia, by Mr. Harry Sceley; on the Geology of Norfolk, by the Rev. John Gunn; on Coal and Petroleum, by Prof. H. D. Rogers. The remaining portion of the magazine is occupied with Reviews, Reports and Proceedings of Geological Societies, Correspondence, and Miscellancous matter—the whole collated with evident care and judgment, and forming a most valuable epitome of the progress of the science during the month.

Depreciation N. The Value of Shares.—In pursuance of the purpose of showing the exemption which shares in mining companies have esjoyed during the continued depression and snale from those large fluctuations to which all other securities have been exposed, Mr. Leiean has given a tabulated exhibition in his "Stock, Share, and Finance Register" for June, in continuation of the lists contained in the Register for April and May, of the difference in prices between April and May 11, in a number of bank, finance, and miscellancous companies, and in a number of mining companies; and the result is a very striking and impressive one. Having shown in the preceding Registers that a number of the former class of companies had suffered a depreciation in the value of their paid-up capital and shares previous to April 9, to the extent of about 36,000,000., out of 117,000,000., it is now shown that these shares have subsequently undergone a further depreciat

ACCOMMODATION ACCEPTANCES .- The case of Mee, before the Lord ACCOMMODATION ACCEPTANCES.—The case of Mee, before the Lord Chancellor, on appeal, was where the bankrapt's order of discharge has been suspended for a twelvemonth, without protection. The bankrapt was a small farmer. His own debts did not greatly exceed his assets, but he had become liable on acceptances for the accommodation of his brother-in law, who was also a bankrapt, to the extent of 13867. The Lord Chancellor said: "The only point in the case is, whether this gentieman, by accepting bills which he knew at the time of acceptance he had no reasonable probability of being able to pay, was contracting a debt within the meaning of the Act. If two persons setting up in trade accept bills for their mutual accommodation, that transaction is just the same thing as contracting a debt. There is nothing, in my opinion, to distinguish this case case from that decided by Lord Westbury. The decision of Lord Westbury was a very convenient one, because it met not only the language of the statute, but the interests and convenience of the community. I shall, therefore, entirely adhere to it, and discharge this appeal, with costs."

VENDOR AND PURCHASER: Eight PER CENT. INTEREST ON PURCHASE—MONEY.—The suit of Lady Herbert v. the Salisbury and Yeovil Railway Company, was

VENDOR AND PURCHASER: EIGHT PER CENT. INTEREST ON PURCHASE-MONEX.—The suit of Lady Herbert v. the Salisbury and Yoovil Railway Company, was where the company having contracted to purchase certain lands belonging to the late Lord Pembroke, agreed, after a fixed day, to pay 4l. per cent. Interest on unpaid purchase-money, and after another fixed period to pay 8l. per cent. The plaintiff claimed specific performance of the agreement, and that interest might be paid on the purchasemoney at the rate of 8l. per cent. from Jan. 1, 1859, and that such interest might be declared to be a charge or lien upon the purchased premises. The Master of the Rolis said the question here is not whether interest shall be paid at all, but whether 8l. per cent. Is a penal rate of interest such as this Court will relieve against. If a man enters into a contract with bis eyes open to pay a high rate of interest definitely and unconditionally be cannot afterwards complain of the hardness of the contract; nor does it matter whether there is, as in this case, an ascending scale of interest. This is quite different from a covenant to pay a higher rate of interest if the lower rate is not paid punctually. The stipulation to pay 8l, per cent. was an essential term of contract, and not in the nature of a penalty, and no fraud having been proved there must be decree for specific performance according to the terms of the Madrid Banking Company

PROMOTION MONEY.—In the case of the Madrid Banking Company (Ilmited), the promoters of the company agreed to pay to the directors a certain sum out of the promotion money. The promotion money was not to be paid till the shares were allotted. The first issue was stated in the prospectus to be 30,000 shares. The directors made the allotment when only 5000 shares had been subscribed for, and received the sum (30001,) agreed to be given them by the promotors. The promoters put in a claim, under the winding-up, for promotion money. It was held by the Master of the Rolls that the allotment made by the directors was not a bone fide allotment, and, therefore, that the promoters' claim must fall.

fore, that the promoters' claim must fall.

POLLUTION OF RUNNING STREAMS.—It has been decided by Vice-Chancellor Wood, in the case of the Attorney-General v. Richmond, that persons are not entitled on the ground of there being an ancient custom or privilege, at various times, and in various proportions, to make a river or running stream in order to carry off their sawage into drains, to collect the whole mass and pour it at one time in such a manner and quantity as that the river or stream cannot perform the proper function of diluting the sewage on its passage down to the lower riparian proprietors, and thus cause a pollution of the stream and a nuisance; and the Court of Chancery will restrain the local authorities of a parish from doing the same in future if it has become a nuisance.

LOCOMOTIVES FOR ROADS.—The locomotive for ordinary roads, constancted by M. Albaret and Co., of Liancourt, descended the hill from Laon to the railway station at an average speed of five miles an hour, and afterwards ascended it in eight minutes, with a load of 5 tons, the pressure being only dve atmospheres. This experiment, which was afterwards repeated with the same success, shows that this engine is able to draw 30 tons, at an average rate of from two and a half to four miles per hour.

LONDON GENERAL OMNIBUS COMPANY.—The traffic receipts for the week ending June 3 was 13,6471. 16s, 1d.

## Meetings of Mining Companies.

NORTH CHIVERTON MINING COMPANY.

The adjourned general meeting of shareholders was held at the offices of the company, Austinfriars, on June 1,

Mr. EDWARD COOKE in the chair.

Mr. J. H. MURCHISON (the secretary) read the notice convening the

Mr. J. H. MURCHISON (the secretary) read the notice convening the meeting, as follows:—

At the general meeting of the adventurers of this mine called here for this day, owing to the absence of the cost-book in the Stannary Court at Truro, on account of the proceedings there against the shareholders in arrear, it was resolved.—"That this meeting be adjourned to Friday, the 1st of June, at One o'clock precisely."

be adjourned to Friday, the last of June, at One o'clock precisely."

The minutes of the meeting of which the present was an adjournment, and also those of the last meeting, held in February, were read and approved. The agent's report stated, that from the character of the north lode, where seen in the 70 west, and the others that are being operated on, coupled with the cross-cut driving in the 54 towards the south lodes, and as the cost will, no doubt, be reduced after this month, he considers the prospects for the fature are most encouraging—he might say never better. In the past quarter teep have sold 110 tons of blende ores, at an average of 31.5s. per ton, and the next sampling will be from 60 to 70 tons more, and sell a little over 9 tons of silver-lead. Number of hands employed in and throughout the mine 90.

The accounts showed a balance of assets over liabilities of 500%. (crediting the arrears of call, amounting to 1500%, as paid).

coccuraging — no might say never better. In the past quarter they have sold 110 tons of obtende ores, at an average of 31.8 a, per ton, and the next sampling will be from 60 to 70 tons more, and sell a little over 9 tons of silver-lead. Number of hands employed in and throughout the mine 60.

The accounts showed a balance of assets over liabilities of 5002. (crediting the arrears of call, amounting to 15004, as paid).

The CHAIRMAN, after a few prefatory observations, stated that since the last meeting circumstances had transpired which rendered the present meeting one of more than ordinary interest. The shareholders were aware that at the meeting in February there were large arrears of call, helidy due from two of the promoters of the company. The promoters, of whom there were three, received between them 10001, in repayment for the money they had previously expended, and also a premium for the shares they had transferred, thus making a considerable profit. He did not wish it to be inferred from this that he considered they had been over-paid, for he most valuable in its character. (Hear, hear.) He regretted to state, however, that cowing to speculative transactions two of these promoters lost their money, and that, consequently, after the prescribed amount of 50001, was expended in the erection of the engine, and upon works of development, they were unable (and he regretted to say that on the part of one he appeared very unwilling) to pay the requisite calls. The shares were consequently duly forfelted, but topon the ground (and to his shame be it said) which they are the same of the shares so forfeited, one of the defaulters, who styled imissed the petition. The call of which the arrear formed part, however, was really made when all the shareholders were present. Now, he need not tell those present that if that were law it certainly was not equity, and that at least inductant shame be it said, when a subject of the shareholders was leaded to be chairman believed, in almost every company that a notice of a me

STANNARIES COURT-WATSON v. TOM.

had written a letter upon the subject for publication, and being a piain statement of the facts of the case, he would, with the permission of the shareholders, read it. It was as follows:—

STANNARIES COURT—WATSON v. TOM.

SIR,—As my name appears officially connected with the North Chiverton Mine, in the report of the above case, I trust you will insert the following remarks from me:—In the first piace, with regard to the transfer of 500 shares from Tom to Cooke, the facts, as far as I can recollect, are simply these. About June, 1865, Mr. Cooke observed that there were calls in arrear to the amount of 8831, of which 4801. was owing by Tom, and told me that in order that the amount might be diminished before the general meeting, then about to be held, he proposed to advance Tom the sum of 5000 on the security of 500 shares; and he would do this by authorising us to debit him (Cooke) with that sum against the 9084, which was then owing to him (Cooke, you advances and sums paid by him on account of the mine. Shortly after this, a transfer of 500 shares from Tom to Cooke was brought to the office, and my transfer cierk retained it on the distinct and expressed understanding that a receipt for 5001, signed by Mr. Cooke, would be sent in, as a voucher to authorise us to charge Cooke with the amount against the large balance owing to him by the mine. Subsequent to this it appears that a misunderstanding or dispute arcso between Tom and Cooke, and the receipt not having been forthcoming, and the condition on which the transfer was received not having, therefore, been compiled with, the document was returned to Tom, it never having been registered or entered in the cost-book like all other transfers, which I apprehend is the only proper registration of a transfer to constitute a title to Tom, it never having been registered or entered in the condition on which the transfer was received not having, therefore, been compiled with, the document was returned to Tom, the was returned to the purchase the first part of the fin on the Cost-book System. Meetings are generally neight at tests once a quarter, or which every shareholds: has notice, and surely the ordinary business should be transacted by those who attend, and persons should not be compelled to travel long distances, or neglect other important matters, every two or three months, to comply with a useicss technicality which in no other companies is required. With regard to Tom's case in North Chiverton Mine, I must state that a general meeting is to be held on June 1, when there is tittle doubt that all the back accounts will be passed, and all past calls confirmed, by a majority in value of the whole of the shares, thus relieving the company from present inconvenience, and enabling us to remove all doubts as to obtaining something at least from Tom without much delay. It is probable, however, that the Vice-Warden's judgment, both on the point of the transfer of 500 shares and the legality of the calls, will be appeated against; for if his view is correct on the latter point it is clear that in the interests of mining immediate stops must be taken to obtain a change in the law. I will only for the present add that my connection with the mine dates only from a short time after the death of the late Mr. Donsford, when the affairs of the company were transferred to ma.—J. H. MURCHISON: 8, Austinitricars, London.

After some discussion, chiefly upon points which had no reference to the business of the meeting, and in which the shareholders had no interest whatever, upon a motion proposed by Mr. G. Battzens, seconded by Mr. Sharr, it was resolved—"That the accounts of this mine, which have been already produced, audited, and passed at meetings of the adventurers on the 9th day of September, 1865, and having been this day again produced to this meeting, and darch, 1865 is 68, per share on 6000 shares on the 6th day of November, 1863, is per share on 6000 shares on the 15th day of March, 1855; 58, per share on 6000 shares on the 16th day of October, 1865; and 5s, per share on 6000

nd allowed, and that the report be received and entered on the minutes."

The CHARMAN said that whatever the shares might be considered worth the com-

pany had a liability, which, as business men, they must discharge. He was sure that the shareholders present would agree with him, that they ought to make a call sandlelent to clean the present would agree with him, that they ought to make a call sandlelent to clean the present shareholders, and as such he advocated that a call should be made of an amount sufficient, if properly responded to, to pay off all known liabilities, and they be theroughly satisfied that no heavy amounts were hanging over their heads. (Hear, hear.) For the purpose of paying off their known liabilities, and to provide funds for future working, he would auggest that a call of 7.5 per share should be made. —Mr. Sharre considered they had no right to provide fands to meet future liabilities. Mr. G. Ratters engined the east intended amount of loss aduring the current three months? —The Chainkan said the mine was very much improving, and there seemed good reason to hope the returns would soon considerably increase, and to an extent sufficient to meet the costs, but the costs of the current quarter should be provided for.

Mr. Mirchenson thought the question the present meeting should decide was, what was the best course to be adopted for the benefit of the shareholders and the company; and as the majority of the shareholders were present, either by person or proxy, they could make such a call as was deemed necessary. He then mentioned the circumstances in connection with a similar decision given by the Vice-Warden is re West Par, stating that at that time an eminent solicitor, who had had considerable experience in the Stanmaries laws, and was regarded as one of the best authorities upon the subject, gave it as his drm opinion that the Vice-Warden was wrong, and that had he been engaged in the case he most certainly should have appeated against it.

Mr. T. Field said that the case of West Par was the first, to his knowledge, in which such a defence was set up. — Mr. Muccumson said the Vice-Warden stated that it had always been so raied by hi

Mr. Murchison stated that he had referred to this point in his letter, and he believed an appeal would be made against the decision given thereon. —The Chaiman said there were a large number of shares held in Sociatad, and it would be satisfactory to the meeting to know the opinion of the Sociat shareholders as to the amount of call that should be made. —Mr. Campins (a Sociat shareholder) said that, looking at the position of the company's financial affairs from a common sense point of view, he should think it much better to make a call sufficient to pay what was required rather than shareholders should at any future time be called upon to pay back debts. —Mr. Share said he should not vote against the majority, but his opinion was that, although there was a majority of the shares in value present, yet there were certain things that even then could not be done, and to make a call to provide for future outlay was one of them—th was, indeed, silira vires.

Mr. Field said it was quite within the power of the present meeting to divide the coats among the shareholders, and to provide for the future working of the mine. —The Chaimans asked Mr. Sharp how the mine could be continued if the present meeting made a call sufficient only to meet the existing liabilities?—Mr. Sharp said by borrowing money from the local bankers. —Mr. Microlison said it had been ruled that shareholders were not liable for loans, unless previously sanctioned by shareholders, and that only those who signed were liable.

The Chairman said that although there was just now a little financial cloud barries.

made a call sufficient only to meet the existing liabilities?——Mr. Sharp said by borrowing money from the local bankers.—Mr. Mutchinson said it had been ruled that shareholders were not liable for loans, unless previously sanctioned by shareholders, and that only those who signed were liable.

The Charrana said that aithough there was just now a little financial cloud banging over their affairs, yet they had before them the encouraging feature that as the development of their admittedly valuable property progressed its prospects of proving a great success became more certain. (Hear, hear.) Theref-were none present who had paid for their shares more than about 31, per share, and when they compared their position and prospects with many gigantic schemes that had recently come to such disastrous grief, the shareholders in North Chiverton had not only cause for congratulation in not befing liable to rations is cases, but also apon being posessed of a property that would, there was reason to believe, ultimately amply reward those who had contributed to its development; that was not his opinion only, but that of the various practical authorities who had at different times inspected the mine. (Fiear, hear.) He believed that during the next three months some important discoveries might be made, and he need hardly say that a profitable mine in the Chiverton district would not be long relembursing the shareholders for the outing incurred. The famed West Chiverton was in the immediate locality, and the strata were similar, which, per sc, was sufficient to encourage their expectations that, with proper development, North Chiverton was in the immediate locality, and the strata were similar, which, per sc, was sufficient to encourage their expectations that, with proper development, North Chiverton was in the immediate locality, and the strata were similar, which, per sc, was sufficient to encourage their expectations that, with proper development, North Chiverton would by a result of the prove, if not as valuable as its ric

### ROSSA GRANDE GOLD MINING COMPANY.

A special meeting of shareholders was held at the offices of the com-pany, Gresham House, Old Broad-street, on Thursday, Mr. G. Noakes, F.G.S. (Chairman of the board of directors), presided.

pany, Gresham House, Old Broad-street, on Thursday,
Mr. G. Noakes, F.G.'S. (Chairman of the board of directors), presided.
Mr. J. Trueran (the secretary) read the notice convening the meeting,
as follows:—For the purpose of confirming, or otherwise, a resolution passed
at an extraordinary general meeting, held on May 7—"That the 24th Article of Association of the company shall be, and is hereby, altered, and a new regulation made in
lieu thereof, as follows, that is to say—'All moneys carried to the reserve fand, and all
capital and other moneys of the company and immediately applicable for any payment
to be made by the company, or not required as working capital, or otherwise, for, or in
the current business or operations of the company, may be invested by the board in such
British or Foreign Government, or other stocks, funds, or securities (other than in the
shares, debenture bonds, or stocks of this company), and in such names as the board
from time to time shall think proper; and the board may from time to time vary such
investments as they shall think proper.' And the Article as so altered and varied shall
be, and is hereby declared to be, a regulation of the company."

The Chainsan said the only special business before the meeting to-day was simply
to confirm the resolution passed at the last meeting. The matter then was no fully and
fairly discussed, and the object in view was so evident, that there could be no objection
whatever now to confirm the resolution then passed. It was simply to comply with
the requirements of the Stock Exchange that the company's funds shall not be employed
in the purchase of the company's shares. In these times, so pregnant with everything
that seems—he was about to say discouraging—at all events to bring gloom and apprehension upon the whole commercial world, and upon every kind of enterprise, and mining might will be embraced among the general enterprise of the country—it was satisfactory to know that, as this company was only just commencing operations, the balanc bine to assist and save such other, rather than pull each other down. (Hear, hear, has regards this company, two years had siapsed without the power of working the property possessed; but the time had arrived when they felt themselves justified in commencing operations. He need hardly say that outlay must be incurred; but one advantage was accorded to them, in the fact that the whole of the purchase-money would not be required for some time, which afforded an opportunity for a gradual expenditure, and light calls. The calls that would now be made were really for the development of the mice, so that there would be an opportunity of testing, in some degree, the prospective value of the ground, and its congeniality for the yielding of the precloss metal, before being called upon to complete the purchase. He was told on every side, by those who had been in the country, that the property bersuch a character that it required only judicious development to make it successful—that, however, no one could tell until the development had taken place. Meancholders might rest assured that the directors would do all in their power so to control the expenditure that every detail should be conducted in the most economical manner; it was not intended to issuch out immediately into any large expenditure, but gradually to prove the ground, and as strength was acquired to proportionately extend the operations. That being the present position of the company, the shareholders must be prepared to receive notice of a call. For his part, he had expected a much heavier call than that which the board had determined to make. He only hoped the shareholders, now that they were about to obtain an incontestible title to the property, would unite with the directors to secure for it a proper development. Even now they would not be subjected to the actual payment of the purchase-money until the whole of the legal measures were completed; and, in the meantime, he hoped the shareholders would meet the directors condaily, promptly, and with good will

apport the ground between the two pieces. The produce of gold is very small, owing it to a great deal of unperdocative portions of the Jode and country mixing with the surf-ferous action is breaking, and enable as well as the surf-ferous action is breaking, and enable as the surf-ferous action is breaking, and enable as the surf-ferous action is twen in the workings to the weat, and presents a very remaining apply decisive, and to workings are on the side of an almost perpendicute citif. The lode is quite double the size is twen in the workings to the weat, and presents a very remaining apply deficitive, and so orien that it will one pays to make any alteration. It is on the spinal to the produce of th

roper working.
The question was then put, when the motion was carried unanimously.

Upon the proposition of Mr. Fig.d., acconded by Mr. Migns, a cordial vote of thanks as passed to the Chairman for his able and jucid statement of the position and prospects the company, and to the board of directors for their satisfactory conduct of the com-

of the company, and to the board of directors for their satisfactory conduct of the company's affairs.

The CHARRIAN, on behalf of himself, thanked the shareholders for the flattering compliment they had paid him, and on behalf of the board for the confidence that was continued to be reposed in them. He could assure them that on principle they would endeavour to promote the best interests of the shareholders, as well as their own, and he could only hope their efforts would produce such results as would be satisfactory to all.

The proceedings then terminated.

#### SORTRIDGE CONSOLS MINING COMPANY.

A general meeting of shareholders was held at the London Tavern, on

Thursday, Mr. M'CALLAN in the chair.

The accounts showed a loss on six months' working, ending April 30, of 1277l. 9s. 8d., and a balance in favour of the mine of 1283l. 0s. 9d. A

call of 2s. 6d. per share was made. A SHAREHOLDER wished to call attention to the circumstance that this

TA SHAREHOLDER wished to call attention to the circumstance that this credit balance included the arrears of calls on 2091 of the 12,000 shares, which had been either foreign tend or relinquished.

Mr. Cohen (the secretary), in answer to a Shareholder, stated that the machinery had cost 22981. 17s., and it was said to have been roughly estimated as worth 12001. The reports of Capt. James Richards, the manager, and of Capt. Jackson, the resident agent, were then read. They stated that the ground in the shat at the depth of 122 fms., and the cross-cut thence, sow driven to the extent of 3 fms., to intersect the lode, was highly mineralised. The lode in the 122 would be intersected after about 2 fms. additional driving: the roughtly executive that is the content of the content o was highly mineralised. The lode in the 122 would be intersected after about 2 fms. additional driving; the requisite cross-cut being about 5 fms. in length. The junction of the main and south lodes would be found at 20 fms. below the present bottom—say, at the depth of about 140 fms., where it is condinctly expected that large deposits of ore will be discovered, and a good mine opened up. No ore of importance had been found below the 50, and it is recommended that all the upper drivings be at once sappended, confining the operations to the exploration of the 122 fathom level, which will very shortly be intersected; and to sinking the shafts to the junction of the lode in the 140; this junction, to which the attention of the shareholders should be steadily directed, will be reached in about ten months from the present time. It is estimated that during the next six months about 25 tons of ore will be raised bi-monthly, at a cost of 210, her month.

CHAIRMAN said that of all the mines in which he was interested he could not name one that had a better chance of success than Sortridge

he could not name one that had a better chance of success than Sortridge Consols, provided the shareholders perseveringly seconded the intentions of the committee of management to sink the shaft without delay to the 140 fm. level.

Mr. Josephs, member of the committee, said he was a large shareholder, and held opinions equally sangulan as to the result.—It was then moved by Mr. Latmers, seconded by Mr. Thores, and carried unanimously, that a call of 2s. 6d. per share be now made.—On a motion that Mr. Cohen, the secretary, he appointed purser, to facilitate the recovery of the arrears of calls, and which was unanimously agreed to, a shareholder expressed his great satisfaction with the able performance by Mr. Cohen of the duties of the secretary's office, and the admirable way in which he kept the mine accounts. The committee of management were re-slected, and the cordial thanks of the meeting accorded to them for their gratuitous services, and to the Chairman for his courteous conduct in the chair that day.

THE LAW OF LIMITED LIABILITY .- Several of last week's papers contain remarks upon Vice-Chancellor Wood's judgment in the case of the Anglesea Col-liery Company, it W. R., 708, showing the most total misapprehension of the nature of that decision. It is not the case, as there represented, that the Vice-Chancellor has held that the holders of fully paid-up shares are liable to further calls, but the hold of shares not fully paid are liable to calls made for the sole purpose of adjusting equities between them and the fully paid-up shareholders, and that these latter "contributories" for that purpose -c.e., for the purpose of receiving the proceeds of, of paying, the call.—Solicitors' Journal.

#### TRUTH'S ECHOES, OR SAYINGS AND DOINGS IN MINING

of paying, the call.—Solicitors' Journal.

TRUTH'S ECHOES, OR SAYINGS AND DOINGS IN MINING. The favourable tone which has been given to the Mining Share Market during the last three weeks has not been improved by the decline in the standard for copper or actually and the standard for actually actually and the standard for actually and the standard for actually actually and the standard for actually actuall

From Mr. EDWARD COOKE:-There has been a decidedly better feel-

have a parcel of about 11 tons of lead at surface, which is dely accominating.

From Mr. Edward Cooker—There has been a decidedly better feeling in the market generally, and more business doing. The great influx of specie from a decidedly better feeling in the market generally, and more business doing. The great influx of specie from a decidedly better feeling in the market generally, and more business doing. The great influx of specie from the decided of the property of the world that is now finding its way into the Bank of English and the Cooker of the Cooker of the State of the Cooker of the Co

lies the largest profits.

From Mr. Baker Lelean:—The progress which the Stock and Sharo Markets were making towards a recovery from the shock and depression they have been subjected to has been retarded and somewhat thrown back—first, by the dissipation of the hopes that were pretty generally entertained of a settlement of the European complications without an appeal to arms; and max by the stoppage of Agra and Masterman's Bank. The last-named circumstance, though necessarily regarded as a very great caismity, involving much individual inconvenience and suffering, however favourable the results of a winding-up may be, did not come upon the City allogether unexpectedly, inasumed as the dead set that had been made upon it by the 'bears,' and which had been so long and so doggedly maintained, had induced a wide-apread apprehension of its being obliged at length to succumb. The 26t, shares, which, two months ago, were selling at 53t, had been besten down to 10t; and, although there was some recovery from that appalling quotation, the price never railied much or permanently, and the large demands made upon its resources from India, caused by the intelligence of our panic of last month having reached Calcutta and Bombay, induced intelligence of our panic of last month having reached Calcutta and Bombay, induced intelligence of our panic of last month having reached Calcutta and Bombay, induced making the best of a bad job. There can be no doubt that this large and widely-

extended establishment has been "worried" to death, and the directors express their conviction, that "the creditors will be paid in full, and that with judicious management in the realisation of the assets, the loss of paid-up capital (1,500,0001.) will be inconsiderable. What the immediate results of this failure may be no one can predict its transactions, which according to the last published statement of accounts, reached nearly 18,000,0001, and its numerous branches here, in India, and elsewhere, can excreely all to involve other monetary and mercantile affairs in its ill fortune. It is a highly favourable circumstance that the large importations of gold, chiefly from New York, attition the state of the sta

#### DISCREPANCIES BETWEEN PROSPECTUSES AND ARTICLES OF ASSOCIATION.

THE RUSSIAN (VYKSOUNSKY) IRONWORKS COMPANY.

TO THE EDITOR OF THE MINING JOURNAL.

Sir,—That the embroilments into which this company has been brought have entirely arisen from the absence of even ordinary care on the part of the framers of the Articles of Association is now fully admitted on all hands, and even by the directors themselves. No one has supposed—nor, indeed, has any right to suppose—that the directors had any unworthy object in view in adopting a set of article varying in so many important respects from the prospects which they issued to the public—indeed, it is alleged the directors were not even aware that, to use the words of the Stock Exchange committee, such "important variations" really existed. Looking, however, at the circumstances from a shareholder's point of view, the queston may be legitimately asked—to whom are they to look for redress? Their givavance is that a share which should be asleable has been rendered altogether unsateable; that a property, which, according to every practical opinion that has been obtained, is at least equal in value to what it was represented to be in the prospectus, remains comparatively stutified by the want of necessary capital to effect improvements essential to the realisation of astifactory results; for, naturally snough, those whom the directors consider their shareholders—although, according to the opinions of Mr. Giffard, Q.C., and Mr. Napler Higgins, those only are shareholders legally who have acknowledged themselves to be such by the payment of the call—do not feel themselves justified in paying away money during the present incertitude. It is in no way surprising that, under such circumstances as these, those who have paid money into the hands of the directors should evince the utmost desire to have their names removed from the register, and their money returned.

An Observer. -That the embroilments into which this company has been brought

#### FOREIGN MINES.

VAL ANTIGORIA.—Thomas Roberts, May 31: The improvement in the lode in the bottom of the 10, south of shaft, continues. The ore is worth 1 oz. 6 dwts. per ton. We remit 26 ozs., obtained from trials made of the ore coming from this and various other points in the mine, by native mills. We are daily opening more productive ground, consequently our projected machinery, when put up, will be supplied with sufficient ore. Two of the new mills will be in working order in the course of next week, and will enable us to forward more important returns of gold. The surface work for eight more new mills will be set on contract during next week, and the road from the shaft to these mills undertaken at once. Altogether this mine has wonderfully improved since our annual report was made, and now bids fair to become one of the best in the country.

proved since our annual report was made, and now bids fair to become one of the best in the country.

VAL TOPPA.—William Jenkins, May 30: Herewith we forward three logots of fine gold, weighing 299 ozs., valued at 11051., produced from the amalgamation of 255 tons of ore by the native mills. The ore, therefore, has yielded 10.2 3 dwts. 12 grs. of gold per ton, being a higher averaged than any so far obtained. We are happy to state that we have a full supply of water, and that all the native mills are running, the daily yield of amalgam being still on the increase, so that our bl-monthly remittances this year cannot fail to give satisfaction. The work at the establishment is being pushed on as faat as the present circumstances will permit. We still hope to get 10 new mills to work by the end of July, when our returns of gold will at once become very considerable.—Mines: The stopes in back of Marmo Rosso level continue to yield large quantities of rich ore. The lode is 7 ft. wide, worth 10.x 10 dwts. of gold per ton. The lode in back and bottom of Fisher's level is from 10 to 12 ft. wide, worth 10.x 1 dwt. of gold per ton of ore.

VALLANZASCA.—J. Roberts, May 28: The smalgam on hand was dis-

you cannot all to give satisfaction will provide the self-thought of the provided and the p

cuairs as an interport, on the ground that his isbours in steam navigation were but the adaptation of the ideas of others—of Wait, Journy, Miller, &c.; but ingenuity and skill of a rare order were displayed in these adaptations, and a degree of practical success was achieved which rarely falls to the lot of an inventor. Other claimants of the invention existed in America besides Falton—James Rümsey, of Virginia, and John Before Falton had begun his practical experiments, some progress had been made in Sectional by Patrick Miller, a Scotish country gentleman, of Dalawinton, in Dumfriesshire. He had for many years turned his attention to practical science, and particularly to steam navigation and naval architecture, and in 1787 he published a pamphlet containing a description and drawings of a triple vesse), propoled either by sails, or by paddle-wheels revolving in the channels between the three hulls. Those wheels were driven by capatans worked by men. In that pamphlet there occurs the following pasage:—"I have also reason to believe that the power of the steam-engine may be applied to work the wheels so as to give them a quicker motion, and, consequently, to increase that of the ship. In the course of the summer I intend to make the experiment, and the result, if favourable, shall be communicated to the public." He built and double, or twin vessel, and experimented with it on the Firth of Forth, the paddle-wheel being in the middle, or between the standard of the public. "He built and double, or twin vessel, and experimented with it on the Firth of Forth, the paddle-wheel being in the middle, or between the standard of the public." He built and double, or twin vessel, and the was thus prevented from adopting the best proportions. This boat was only 60 feet long.

Janes Taylor, a scholar, and a man of science, who was tuto to two of Miller's sons in 1785, and frequently assisted Miller in his experiments, claimed the merit of first suggesting the steam—engine as a motive agent for Miller's boats; but, however t

which yield well.—Pranal: The ries in the back of the 70, on the eastern part of Seash look, yields good stones of ore, mixed with blends. The 8 metre level south, it is seasonable to the seasonable of the seas

Amidst general demonstrations of satisfaction, Mr. Robertson resumed his seat. An interesting discussion, shared in by Messrs. Campbell, Briggs, and the Chairman, and supplimented by a vote of thanks to the author of the paper, brought the interesting proceedings of the evening to a close.

Petroleum as a Steam Fuel.—The experiments for ascertaining whether petroleum and similar mineral oils are capable of practical application as a fact for the generation of steam, which have been in progress for the past 18 months at Woolwich Dockyard, have now been terminated; the best results obtained, showing that 11b. of Torbane Hill oil—that which gave the highest evaporation—would evaporate 18'04 ibs. of oil. The experiments have been made by Mr. C. J. Richardson (the last of the family of novelists of the last century), and with the method of which he is the inventor, and which has been already described in the Journal. In the final trial, on Thursday, Mr. Richardson succeeded in evaporating 370's bis of water with 208 ibs. (or about 26 gallons) of oil, the cost of which, at 2s, per gallon, would be 2f. 10s. The same weight of water would have required nearly 5 cwts. of common coal, or mpwards of 5 cwts. of good steam coal, to evaporate it, and the cost would have been at least 2s, 6d. Mr. Richardson considers that with a new apparatus, of sufficient strength, better results would be obtained, and that, from the very great rapidity with which it could evidently be burnt, a volume and pressure of steam could be got from this material far beyond any competition on the part of coal. The official reports not having yet been made to the Admiratity, closer comparisons of the powers of rock oils and coals cannot be made, but these official reports will be of a most val: able nature.

Garnot be made, but these official reports will be of a most vol: able nature.

GLAMORGAN IRON AND COAL COMPANY (Limited).—The annexed circular has been forwarded to the shareholders by Mr. John Keily, of Queen-street, Wolverhampton:—The meeting of shareholders, hed at the Guildhall Tavera, London, on May 31, was numerously attended. Mr. Frederick Charles Perry, who was proxy ou the occasion for a great many shareholders, took the chair. After viewing the career of the company, and more particularly dwelling npon its present position and the circumstances attending it, he proposed the following resolution:—"That a committee of investigation be appointed, of three gentlemen, to consider the present position and prospects of the company, with power to employ an accountant and solicitor to assist them, and that such committee report to an adjournment of this meeting on June 14." The resolution was unanimously acquiseced in by the meeting, but it was suggested that, as the meeting was a private one, and, consequently, had not power legally to appoint the proposed committee of investigation, a requisition be addressed to the directors, asking them to call a general meeting of the company for the purposes contemplated. The directors being present, gave their assurance that this should be done forthwith, and pledged themselves to give the committee of investigation, when appointed, all the assistence in their power. The primary object of the meeting, as explained in a circular—"To consider the course to be pursued," having thus been accomplished, and the directors having intimated that they had a complete answer to the allegations contained in the petition, the secondary consideration suggested in a subsequent circular—"To appoint a committee of investigation, we now now due, should be suspended for the present."

PARKGATE IRON COMPANY (Limited).—The annual meeting of share-

PARKGATE IRON COMPANY (Limited).—The annual meeting of share-FARGATE IRON COMPANY (Limited).—In a annual meeting of share-holders in this company was held at the works. The report of the directors congratu-lated the shareholders upon the satisfactory results of the second year's operations, and recommended a dividend of 44.0s. 64, per share, free of income tax, equal to 12½ per cent, on the paid-up capital. The report was adopted, and the retiring directors, Mesars. Wigan, John Barrow, and John M. Dunlop, were re-elected. The shareholders appeared to be well satisfied with the management and the prospects of the undertaking.

wigan, John Barrow, and John M. Duniop, were re-elected. The shareholders appeared to be well satisfied with the management and the prospects of the undertaking.

Tin Mining and Smelting in Cornwall and Devon.—I beg most respectfully to call the attention of all interested in tin mining and smelting to the very unsatisfactory position we are all in at this moment. Not only are we going on struggling with the great depression existing, and each mine raising even more tin, when obtainable, to meet cost, and, if possible, to pay profits, but we are all working in the dark in respect to where and how this depression is to end. We have no knowledge on which any reliance can be placed in respect to how much, how long, how cheap, or at what profit, or what loss, the enormous quantities of tin yearly sent from the Indian seas can be produced. The careful Dutchman comes to England, and, I have been informed, sent by their Government, who, by-the-bye, appear so much interested in the welfare of their mines, even so far off as Malacea, Slam, Banca, and Billiton, as to aid in the obtaining of all the information we can supply them with in Cornwall. Whether or not they also pass bills to rate, tax, interfere, and, undoubtedly, failure their mines, or not, I cannot say. And cannot Cornisbmen—the Duke of Cornwall, the various lords, the adventurers, the tin smelters, and all interested (merchants too)—assist, and, by united effort, send out from this country competent persons (say two) to thoroughly investigate the state of these island mines—how long that it is probable they can send such quantities to market, and at what cost? Let us look our difficulties in the face, and if, after we are made acquainted with our fate, that the foreign tin can be raised for 40t, per ton, and for a fong period of years, the sooner we turn our attention to something more satisfactory than mining for the the better. If, on the other hand, we know that the foreign mines are being exhausted, or that they are working at great loss, and, like some

MINING IN CANADA.—We understand that operations at the Bruce and MINING IN CANADA.—We understand that operations at the Bruce and Wellington Mines are being actively carried on, and that the miners employed there earn good wages. The mines, which are altuated on the north shore of Lake Huron, are being worked by an English Company (the West Canada Mining Company, Limited), under the management of Messrs. John Taylor and Sons, of London. This company has lately acquired the freehold of the property, and now grant leases of plots of ground to the miners and others to enable them to build cottages, form gardens, &c. Good steady miners, we are told, are wanted, and will not fail to find employment there.—West Briton.

miners, we are told, are wanted, and will not fail to find employment there.—West Briton.

RAPID CURE OF SEVERE COLD BY DR. LOCOCK'S PULMONIC WAFERS.—"To Mr. Winnall, bookseller, 108, High-street, Birmingham: I had been troubled with a severe cold and a difficulty of breathing, with tightness at the chest. Your assistant prescribed me Dr. Locock's wafers, and in a few minutes the tightness of my chest had entirely left, leaving only a slight cough, which left me next day." They give instant relief to asthma, consumption, coughs, colds, and all disorders of the breath and lungs. Price is. 1½d. per box. Sold by all druggists.

HOLLOWAY'S OINTMENT—THROAT AFFECTIONS.—All the varieties of these distressing complaints may be readily and effectively treated by rubbing this ointment twice a day upon the neck and chest, and supporting the strength by suitable nourishment. By this simple means diphtheria, ulcerated and relaxed throat, irritation of the windpipe, quineey, and all glandular enlargements will have their progress arrested, and the destruction they have caused repaired. Holloway's ointment is the most trustworthy remedy for all internal and external throat aliments, and may be safely and effectively employed in every case, without regard to season, sex, age, or constitution. Reflectively employed in every case, without regard to season, sex, age, or constitute in highly extolled for its ready cures of spasmodic coughs, chronic hoarseness, a disagreeable discharges from the throat and nose.

#### Mining Correspondence.

#### BRITISH MINES.

BRITISH MINES.

ABRAHAM CONSOLS.—J. Vivian, June 7: Our masons progress spiritedly with the building of the engine-house, stack, &c., which is let to them at per contract to complete, lay on the roof, build in the boiler, &c., in a specified time. I have also let the carriage of the engine to be delivered on these mines at per contract, and is now being brought on the mines daily. Other operations progress as fast as possible. No time will be lost in getting the engine to work.

BEDFORD UNITED.—Jus. Phillips, June 6: The two stopes in back of the 115 are worth 3 tons of ore per fim. each. The lode in the 103 is still in a disordered condition, being split into branches. There are three stopes in the back of this level, worth respectively 3%, 3, and 2½ tons of ore per fim.—North Lode: We are still sinking under the lode in the abant. The lode in the 75 east is 20 in. wide, producing a little saving work. The lode in the 75 west is small, carrying a leader about 6 in. wide, producing asons of ore, but nothing to value. The lode in the 62 east is 27 it. wide, producing saving work. The lode in the 62 west is 1 ft. 6 lin. wide, composed of capel, spar, and stones of ore.

BEDOL-AUR.—H. S. Harvey, June 6: Crofts' shaft is down within 5 ft. from the 70, and we expect to complete it to that level by the latter part of next week. The ground is still very hard. The 77 end north-east is still producing some nice stones of lead, but not enough to value.

BILLINN.—F. Evans, June 6: The 90 west is in a promising lode, but little lead. The 80 west is also poor and rather hard, but a few fathoms more driving will open it to the ore ground. The 70 west is opening good stoping ground for lead ore, worth 15 cwts, per fathom. In the 70 east there is a decided change for the better, the ground is easy for driving, and the lode producing good stones of lead, with a prospect of increasing in value. A samp in the bottom of the 70, west 30 fins, from shaft, is worth 126 ton per fathom.

BILLINS.—F. Evans, June 0; The solves to a promissing none, court with open In The Solvest is also poor and rather hand, but a few fathous more driving will open In 15 downs, per fathom.

In the 70 seat there is a decided change for the better, the ground is easy for driving, and the lode producing good stones of lead, with a prospect of increasing in value. A samp in the bottom of the 70, west 30 fms, from shaft, is worth 154 ton per fathom.

STOTTLE HILL.—A stope west of the western shaft, in back of the 17, to four min, at 30s, per fm; the lode is from S to 9 ft, wide, and worth about 47, per fm. A stope east of Williams's shaft, in back of the 31, to four men, at 30s, per fm; to do about 5 ft, wide, and worth about 45, per fm. A stope east of Williams's shaft, in back of the 17, to four men, at 13s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 13s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 13s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 13s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 13s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 13s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 13s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 13s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 20 and 18s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 13s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 13s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 13s, 4d, in 11; at 20 a pitch west of new shaft, in back of the 17, to four men, at 20 and 18s, 4d, and 18s, 4

CLARA UNITED .- J. Davis, June 6: All the materials of old Clara are now

CLARA UNITED.—J. Davis, June 6: All the materials of old Clara are now cleared away from the grounds. We had considerable difficulty in removing the underground work, as the timber had become rotten and ready to fall in, and we had to support it with some new timber before we could proceed, and when the mine was drained about 2 fms. below top of bottom lifts the pamping-engine stopped for want of water. These pamps being firmly secured in the bottom there was no chance of removing them unless we could wreat them up by force: and I am glad to say we succeeded in doing this, although we broke several strong chains in the attempt. These materials will become very useful at Lily werney. We have had some rain at last, and in a day or two I except the mine will be in full operation again.

CROWAN AND WENDRON.—R. Reynolds, June 5: The lode in the 60 west sawed as the week of the containing quartz, mundic, and good stones of grey and yellow copper ore. This is the first branch we have discovered a branch the north side of the lode, about 4 in, wide, containing quartz, mundic, and good stones of grey and yellow copper ore. This is the first branch we have met with dipping towards the lode, and may be regarded as a favourable indication for copper. The lode in the 48 east is about 1 ft. wide, producing a little grey ore; present price for driving, 31, per fm.

CUDDRA.—F. Peckey, A. Cundy, June 6: The sinking of Walker's shaft is now completed to the 130, with the trip-plat and fork, and we are now making preparations to cut the plat and to case and divide the shaft before cross-cutting the lode at this level. In the 117 west the south lode continues full 10 ft. wide, composed of quartz, peach, and the north, and we are now driving a cross-cut through it with the expectation of finding more lode still further north. In cutting out the lode east of No. 1 cross-cut the tim part is 6 ft. wide, composed of quartz, peach, iron, and good stones of tin. In No. 1 stope, in bottom of the 105, the lode is 7 ft. wide, and worth 221,

asince my last.

DEVON AND CORNWALL UNITED.—Thos. Neill, June 5: We still continue to the continue of Law's shaft, and are now daily DEVON AND CORNWALL UNITED.—Thos. Nell!, June o: We still continue to reak good atones of ore in the 24 cross-cut, west of Levy's shaft, and are now daily execting to cat the lode. —William and Mary: The lode in the 34 cast and also the stopes re much the same. We have a pitch working in bottom of the 22, west of engine-shaft, rhich has improved: lode worth 7 tons of ore per fm.

EAST BOTTLE HULL.—J. Eddy, June 7: We find the lode west of the adit level till disordered, producing tin, but not rich. The lode cast of the western shaft, in the

still disordered, producing tin, was now result of low produce. The masons are getting on with the waits of the wheel-pit, and I hope in a few days we shall commence putting up the wheel.

EAST CARADON.—J. Truscott, June 6: Caunter Lode: The 80 east is worth 15/s;

cast produces stones of ore; the 70 east is worth 151; the 70 west, 201; and the 8) east, 5/1, per fm.— New Lode: The 70 west is worth 81, per fm.—Fawceti's Lode: The 70 west is worth 81.

9 east produces stones of ore.

EAST GUNNISLAKE AND SOUTH BEDFORD CONSOLS.—J. Phillips, June 7:

EAST GUNNISLAKE AND SOUTH BEDFORD CONSOLS.—J. Phillips, June 7: EAST GUNNISLAKE AND SOUTH BEDFORD CONSOLS.—J. Phillips, June 7:
All the pitwork in Gard's shaft is completed, and the shaft in regular course of sinking
for a 56 fathom level. In the deep adit we are driving by the side of the lode. In the
shallow adit we have met with the cross-course, and driven through it; the lode on the
eastern side is full 5 ft. wide, composed of mundle, prian, goessu, and black copper ore—
a very fine, promising lode, but as yet unsettled from its nearness to the cross-course.
In the Chimney Rock deep adit the lode is 2 ft. wide, yielding good stones of ore, and

vary promising.

EAST JANE.—T. Hodge, June 7: In the 48, south end, on the eastern lode, we have met with an east and west course, which has disordered the lode; the water is flowing freely from the end. In the 48 south end, on the western lode, it is about 4 ft. wide, yielding good stones of lead, and likely to improve. The lode in the winns sinking below the 36 south is large, producing occasionally good stores of lead. In the 36 south end the lode is 3 ft. wide, composed of soft spar, white carbonate of iron, and gossan. At these we find good stones of lead.

the lode is 3 ft. wide, composed of soft spar, white carbonate of iron, and gossam. At times we find good stones of lead,
times we find good stones of lead,
EAST PROVIDENCE.—J. Nancarow, Wm. White, Juns 2: This being our usual monthly setting, the following work was set:—Boorman's shaft to sink below the 82, by six men and three boys, at 161, per fathom; lode 1½ ft. wide, and yelds a little tin.
The 82 to drive east, by six men, at 91, per fm.; lode 2 ft. wide, and yelds good stones of tin. The 70 to drive east, by six men, at 71, per fm.; lode improved in appearance, is 1 ft. wide, yields good tinstuff, and seems to be getting into the tin ground driven through in the level above. A winnes to sink below the 50, by six men, as 71, 10s, per gathom; lode worth 41, per fm.; this will shortly be communicated with the pitch be-

low, when we shall immediately resume the driving of the 50 east, where the lode is worth 5l, per fm. We have set five pitches—one at the 70, three at the 60, and one at

low, when we shall immediately resume the driving of the 50 east, where the lode is worth 5t, per fm. We have set five pitches—one at the 70, three at the 60, and one at the 50, at an average tribute of 11s. 5d. in 11.

EAST ROSEWARNE.—J. James, June 7: In King's shaft, sinking below the 85, the lode is 18 in. wide, producing stones of ore. In the 85, east of King's, the lode is 11 in. wide, upproducity. In the 85, west of King's, the lode is 1 foot wide, composed of quartz and stones of ore, a promising lode. In the 85, east of Hallett's shaft, the lode is 9 in. wide, upproducity. In the 85, west of King's, the lode is 1 foot wide, composed of quartz and stones of ore, a promising lode. In the 85, east of Hallett's shaft, the lode is 9 in. wide, with spots of copper ore, and the ground a little improved for driving. The 55 west is not yet out of the silde, and the lode still disordered, but it is probable there is a good lode over and under this silde; the stope in back of this level is worth 10t, per fm. The stope in bottom of the 75, west of King's shaft, is worth 91, per fathom.

EAST ST. JUST UNITED.—John Carthew, P. Calley, June 6: We hope to have Phillips's engine-shaft down to the 20 by the end of this month; we shall then extend the 20 west. In a wings below the 10, west of shaft, we have a good branch of tin. At the Cranjack shaft we have completed the fork, and sunk the shaft 12 ft. below the 30. As soon as the plunger-lift is fixed we shall resume the sinking of the shaft. We are driving the 20 and 10 east; lode large and kindly. At North Bosorne, in a winze below the 20. We have a very fait it in lode. We have set the winze to sink and stone east and west for 10s, in 1t. tribute. The lode in the deep udit, on Wheal Venton, has a most promising appearance.

the 20 west. In a winns below the 10, west of shaft, we have a good branch of the. At the Canajack shaft we have completed the fore, and sum the shaft 12 ft. Below the 20. As soon as the plance-lift is fixed we shall resume the sinking of the shaft. We are the 20 we have a very fair in those. We have as the winns to last and stope seat and west for 10s. In 11. tribute. The lode in the deep adit, on Wheel Venton, has a most the 20, we have a very fair in those. We have as the winns to last and stope seat and west for 10s. In 11. tribute. The lode in the deep adit, on Wheel Venton, has a most pomising appearance.

EVALUATION OF THE STATE OF THE STAT

ouring the past week. Freesaint clear out the state of th

The water in Sieggan's and King's snats is going lower every day. We shall plus are seam-white to haid from Batler's shaft in a few days, when the sinking will be urged on as rapidly as possible.

GREAT NORTH LAXEY.—R. Rowe, June 6: We have been slightly interrupted in sinking the shaft by an increased feed of water, but shall be down 9½ fathoms below the 72 by the end of this week; the lode is without, change, mainly productive in the north end of the shaft, worth 2 tons of leat per fathom. The 72 end north continues promising; lode large, and worth near 1 ton of ore per fathom. We expect shortly to hole the rise in this level south with the sump sinking from the 60. The stopes in the 69 north are fully as productive as last reported, but the lode in the roof, south of the shaft, is scarcely so good, worth from 12 to 15 cwts, lead per fm. We have now about 40 tons of lead, and shall sample this day week.

GREAT SOUTH CHIVERTON.—J. George, J. Nancarrow, June 1: We have now opened on the lode in the 20 for 4 fms. 2 ft. in length, and have had lead throughout the whole of this driving, accommanded by blende, copper, and from. There is a leader of rich blende in the eastern enc. and a little lead in the western end. The lode has a very good appearance, and is likely to be productive of lead in depth. The cross-cut driving north is hard, but there are still branches containing lead, copper, and from, and we have recently cut a large stream of water, which strongly indicates that there is a lode yet before us. The water is not yet drained down at the shaft.

GREAT WHEAL BADDERN.—R. Proyr, It Tregoning, June 2: The ground in the 75 cross-cut, south of Hill Brothers engine-shaft, is a little easier for driving, and weins of sulphure mandle crossing the end, also the water has increased very much during the week, and the elvan still retains its general character. The ground in the 63 cross-cut, south of Hill Brothers engine-shaft, is a little easier for driving, and weins of sulphure mandle crossing the end, also the w

GWYDYR PARK.—Wm. Smyth, June 5: We are still driving south on the north and south lode in Gwyn Llifton adit. We have not yet found the east and west lode; the end is letting out a good deal of water, and the lode is looking kindly, with spots of lead in it. The water is still draining from the shaft and old workings. I have set the back of the Shoe maker's lode as deep as the shallow adit, to two menton tribute; they to pay all cost, and give us 20s. per ton profit on all lead they may raise for one or two months.

observed the summary and the s

worth 451, per fm. The stopes in back and bottom of the 120 are worth on the average 301, per fm. Nothing new in any other part of the mine.

LADY BERTHA.—Capts. Harpur and Metherell, June 7: We have not yet commenced to fork the water to the 53; we think it advisable to fix a small lift to be worked by hand, which we shall do at once. The 41, driving east, is very hard—good stones of tin, but not to value. In the 30, driving east, we have not yet taken down the lode; the water is strong, and the lode large, but as wet that we cannot give its value; we shall drive a little further before taking it down. The stopes in bottom of this level are worth 184, per fm. No other change.

LONG BAKE.—Capt. Evans, June 6: The 80 east, at the present moment, is poor for lead ore, it being in a bar of poor ground; seen in the 70, over this, is about 3 fms. In length, after which it will open ore ground, which at middle shaft has been proved for about 50 fms. long in the 70, worth 14, ton per fathom. The stope in the 70, at middle shaft, is worth 194 ton per fathom. The lode in the 50 east is large and promising, but without lead; this end is likely to open some good ore ground in a sahort time. In the eastern engine shaft the lode is 2 feet wide and orey, but as yet of no particular value. There are no other changes to notice, only that I expect to work regularly in the 90 after a day or two, as the water in the mine is decreasing, now five to six strokes per minute.

MAUDLIN.—John Tregay, June 2: Old Mine: The lode in the 80 east end is very large, principally mundic, clende, and peach, intermixed with copper ore; is this level west the lode is promising an improvement, and is producing good atones of copper ore.—West Mine: In the 20 west the lode is producing good stones of yellow copper ore; the ground consists of shale and tumblers of limestone, and favourable for progress.—Brabner's Shaft: The lode in the 80 yard level north is 2 feet wide, composed of chert, containing a little lead. The lode in the minddle level is sma

iof chert, containing a little lead. The lode in the middle level is small, and ground in the cross-cent east to the red vein is rather easier for progress, and more congenial for lead; the pitch in back of this level is worth 10 cwts, of lead per fathom, and attentions in the big cross-cent. — William's Shalt: The loce in the wines shaft, below the 60 yard level is worth 10 cwts. of lead per fathom, for leading the lower in the wines a fathor below the 60 yard level is worth 10 cwts. of lead per fathom, and the leading leading

wide, producing some very good lead—a very promising lode. Rye's snaft is suspended for the present in consequence of so much water. The 20 to drive west of Rye's shaft, by six men, stem for the month, at 21, 10s. per fm.; the lode in this end is 2 ft. wide, and of a promising appearance. The engine and pitwork are in good working order, and working well.

NOICH WHEAL BASSET.—W. Roberts, June 6: Main Lode: In the 122 west the lode is 5 ft. wide, yielding stamping work for tin. In the 112 west the lode continues 6 feet wide, saving work for tin. In the 12 west the lode is 3 ft. wide, producing stamping work for tin. In the 112 west the lode wide, saving work for tin. In the 12 west the lode is 16t. worth 5.per fathom for tin.—North Lode: In the rise in back of the 52 the lode is 1 for wide, yielding stones of ore. In the 42 east the lode is 1 ft. wide, producing good stones of ore. In the winze sinking the 42 the lode is 1 ft. wide, producing good stones of ore. In the winze under the 32 the lode is 1 ft. wide, producing good stones of ore.

NOICH WHEAL ROBERT.—W. Godden, June 6: The main lode in the 52 end east of Murchison's shaft, is larger than I thas been, and in consequence we are inot carrying the whole of the lode; the south part in which we are driving is composed of capel, quartz, prian, mandle, and copper ore; we intend to cut into the north part this afternoon, which has a very kindly appearance. The ground in Mayne's cross-cat north in the 30, west of trial shaft, is highly mineralised, and favourable for progress.

PAR CONSOLS.—F. Puckey, J. Hosking, Jane 4: Eastern, or Copper Part of the Mine: In driving the 80, east of Treffry's north shaft, on the copper part having made a splice, but the lode is 2 ft. wide, of a v

PROSPER UNITED.—J. Nicholis, W. Millett, May 31: The 89, west of Hand's, is not quite so good for ore as it was when last reported on; it will now produce 3 tons of ore per fathom. The 70 west is unproductive. The winze in the bottom of this level is producing 1 ton of ore per fem. The lode in the 40 west is small and unproductive. The 89, east of Hosking's, is spare for driving, but the lode is locking kindler, although not to value as yet. The 79, east of Hosking's, is producing saving work for tin. PROSPER UNITED.—J. Nicholis, Wm. Millett, June 6: The 90, west of Hand's, is without change. The 89, west of Hand's, will yield 2 tons of ore per fathom. Gard's winze, in the bottom of this level, is producing 3 tons of ore per fm. The 70, west of Hand's, is looking kindler, and the lode is now worth \( \frac{1}{2} \) for one per fm. Hand's winze, in the bottom of this level, is producing 2 tons of ore per fm. The 40 west is poor. The 80 and 70 fathom level ends, east of Hosking's, are without change. The stopes and pitches are looking much the same as usual.

REINNIE LAAET.—W. H. Rowe, June 5: I have carefully dialled and examined the old shat and levels, which you are aware we have lately cleared of rubbish and

REINNIE LAXEY.—W. H. Rowe, June 5: I have carefully dialled and examined the old shaft and levels, which you are aware we have lately cleared of rubbish and water, and I think it of consequence to let you know their position with regard to the augine-shaft and the 20. If find that the former (the old works) are aimost altogether upon a side vein or branch, east of the regular lode, but which appears to have been regarded by the old workers as the footwall part of the one lode only; its less rapid underlie, however, as well as distinct bearing from that of the other, shows it to be more of the character of a feeder or branch falling fine and forming a junction with the main vein, about 10 ms. north of the present 20 fm. level forchead. In the old level at the bottom of the shaft (driven 20 fms. south and 2 fms. north) the vein is from 6 to 12 in. wide, and at some points carries a promising leader of ore; and at the bottom of this

I have now resumed sinking (to meet the cross-cut driving from the 20) operal appearance. Our course evidently is to resume driving the 20 north rection I feel more than ever confident we may expect good results after a shaft, which I have now resu

man part of the lode is 25 ft. wide, producing a quantity of mucidic, and very strong unsettle the ground. I think it is a dide bearing parallel with the lode, as we have a mast the life is at present in the 10.5, I gargone shortly to sink when in bettom mas anything life it at present in the 10.5, I gargone shortly to sink when in bettom mass of it. In grounders mander, part, and constanting you of atoms of one, which it is come of the produces and the produces mander, part, and constanting you of atoms of one, which it is come to the part of the part

lode sunk through in the winze ahead of us we, have a right to expect an early improvement. The same level south, at St. per fm.; lode full 4 ft. wide, with an improved appearance since our last report—tribute ground. A winze sinking below the 182, about 6 ft. wide, in advance of this end, and down 8½ fms.; lode much the same as in the end. A winze sinking below the 182, in the extreme end by the side of the lode, at 8t. 10s, per fathom, to communicate to the bottom level oming north from Trelawny's shaft, which is also diving by the side of the lode, at 9t. per fm.; when holed will be very important for the mine, not only for ventilation but laying open tribute ground. Our tribute, pay, and setting passed off very pleasingly, and we shall sample again in good time our usual quantity of sliver-lead ores.

JUSTICA PROPERTY OF THE MINING JOURNAL.

THE MINING JOURNAL

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The acjustable pressure board in combination with the pump and sieve of a jigging machine. In combination with the sieves of a jigging machine the passage and shoot board, substantially as and for the purpose set forth.

# MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

NEW PEMBROKE.—We are glad to hear of an improvement in this mine, a the 60 east we have a valuable lode, the south part of which is splendid copper ore It is inches wide, and the north part of the same producing some good work for tin. I the 45 west we have driven through a good lode for tin for 8 fathoms in length, and see and still continues its value; the prospects of the mine never looked so well as at the present time. As 01d Pembroke Mine, whose late workings are only about 200 yards the west of New Fembroke, and in which fortunate adventurers realised a profit of wards of 200,0001, we consider our prospects to be very encouraging. The agents' port will appear in next week's Journal.

CENTRAL MINERA continues to look wall.

upwards of 200,0004., we constitute out property of the second of the se ught to surface during the last month's working, much more than sumfet the month's cost, and the lode looks as well as ever. Other important are daily looked for, as from the large quantities that have been raised dary in the adjoining sett, from which the lode dips into Central Miners s known to be full of lead.

ground is known to be full of lead.

GREAT WHEAL FORTUNE.—Both the 114, west of Hosken's shaft, and also the lode in Hosken's shaft, have further improved. The 114, east of Carnmeal shaft, is better than when last reported. The agents say there is no question but they have arrived at the commencement of a new course of tin, but until the same is properly laid open the actual value cannot with accuracy be ascertained. Capt. Gill, late of Great Wheal Vor, is inspecting this mine for a large shareholder, a report of which will be published in the Journal before the forthcoming meeting. Hosken's shaft will

to the 126 in about ten days' time.

DEVON GREAT MARIA is looking exceedingly well, and the deputation resent surveying the property and a ranging for the erection of efficient machiner; rts that the most sanguine expectations will be fully realised. They cannot see, , under proper management, this sett may not be expected to rival her rich neigh-. Devon Great Consols.

THE CROWN SLATE AND SLAB WORKS.—In my wanderings through THE CROWN SLATE AND SLAB WORKS.—In my wanderings through the sterile, but nevertheless picturesque, mountains of Merionethshire, and in the viel mity of Dolgeliy, I started from the road direct to the mountain celebrated as the chair of the mythological giant Idris. Howbelt, when so wending my way, I came to a very romantic plantation of fit trees, where I found a number of quarrymen at work opening what they told me was a slate quarry. Being very civilly treated by the person is command, I manifested a carlosity to know something about slates and slate dress ing, being, as you may suppose, a novice in what forms the great mineral wealth o North Wales. He very kindly took me to the slate dresser, who, merely to satisfy me performed what I consider a wonderful feat—from a block of slate scarcely an inch thick es split in my presence 21 thin (of course) slates. They looked leaf-like and smooth and greatly captivated my attention. I understood that the quarry is being worked (which has only commenced a very few weeks ago) by a company known by the nam of the Crown Slate and Slab Quarry Company. Hope that this company can fully appreciate such a property, and that they will demonstrate and fully develope by their spirited enterprise what has been for ages lying hidden, uncared for and unnoticed, in the Idris mountain range.—Strotlers.

RATING OF MINES BILL .- It will be recollected that a few weeks since Mr. Cave introduced a bill into the House of Commons, the object of which was to render mines and minerals of every description in England and Wales liable to be rated to local rates "in the same manner and to the same extent, so far as circumstances will admit," as coal mines are now rated. The inability, under the present depressed circumstances of metalliferous mines to support any additional burden was at one pointed out, and it was a need that if any measure was to be passed for the assessment. and it was urged that if any measure was to be passed for the assessment of metalliferous mines to local rates the rating should be assessed upon the royalty or dues. Messrs. Robartes, Kendall, St. Aubyn, and other members connected with the mining interest, have had a meeting with M. Cave, the promoter of the bill, and stated to him that unless he consente e, the promoter of the bill, and stated to him that unless he consented for the bill to a select committee they must oppose the second reading in the House. The bill did not come on on that day, and they have on to hope that Mr. Cave will consent so to refer it to a select com-te. The basis on which the Cornish manufacture is a select comof it in the House. mittee. The basis on which the Cornish members wish to put the ques-tion is—"That the lessor of mines and minerals of every description shall be rated, on the basis of the royalty, to local rates; and that, as regards lead, and copper mines, the assessment shall be made on and paid lessor, due allowance being made for the exhaustion of the corpus." sment shall be made on and paid by

BANQUET TO MR. POWNING .- On Tuesday evening the leading mem bers of the Mining Exchange, and several influential gentlemen otherwise connected with mining enterprise, entertained Mr. Powning (of Gresham House) at a banquet, which took place at the London Tavern. The en-tertainment was given as a mark of appreciation of his laudable efforts to promote legitimate mining, and an earnest of the personal esteem in which he is held by those who had invited him as their guest. The chair was occupied by Mr. Peter Watson, and the vice-chair by Mr. E. Cooke.

Great Laxey Mining Company.—On Friday next the directors of the Great Laxey Mining Company (Limited) will meet at their offices, Douglas, Isle of Man, for the purpose of declaring the usual quarterly dividend of 10s. per share, on 15,000 shares, amounting to 7500%.

-The shares of this company have not gone down in price as some people wished, and probably believed, and we have no doubt that our plain statements of the facts of the case have in a great measure contributed to prevent the shareholders sacrificing their interests. Notwithstanding the panic, and the continued state of severe depression in the standing the panic, and the continued state of severe depression in the markets generally, the Chontales shares have not only stood their ground, but have rather risen in price. This week they are exceedingly firm, and the speculators are at their wits end to know how to find the shares to supply those to whom they have sold. Before the next number of the Mining Journal appears, another mail will be due, and by it, or any subsequent one, most important news may be received, quite irrespective of the remittances of gold, which may be looked for in a very few months.

COAL MARKET.-The fresh arrivals this week only amounted to 78 week's prices. Hartley's have been a dull sale, and quote a reduction of 6d. per ton. Hetton Wallsend, 18s. 3d.; Haswell Wallsend, 17s. 9d.; Braddyll's Hetton Wallsend, 17s.; Heugh Hall Wallsend, 17s.; South Kelloe Wallsend, 17s.; Hetton Lyon's Wallsend, 15s. 9d.: Tunstall Wallsend, 15s. 9d. Unsold, 2 cargoes: 75 ships at sea.

THE COAL TRADE.—Mr. J. R. Scott, the Registrar of the London Coa Market, has published the following statistics of imports and exports or coal into and from the port and district of London, by sea, railway, and canal, during May, 1866:—

IMPORTS.

carried array, and	PORTS.
Newcastle	London and Nth.   Western.   Tons   90,189   69,770   0
May, 1865 568 229,024	MENT-1865 AND 1866.
BY SEA.	BY RAILWAY AND CANAL.
Ships. Toms.	Tons. Cwts.
Jan. 1 to May 31, 1865. 3480 1,389,963	Jan. 1 to May 31, 1886 2,187,366 19
Jan. 1 to May 31, 1866. 3040 1,259,952	Jan. 1 to May 31, 1865 1,142,543 10
Decrease present year 440 130,011	
H. TP	ORTS.

Export List, showing the distribution of coal imported into the port or district of London, by sea, rail, and canal, and afterwards exported coastwise or to foreign parts, or

	district, by rail or inland navigation, during
May 1866:-	
	itu" through district Tows 21,803
Sea-borne coal exported to British poss or to the coast	
Ditto, sent beyond limits by railway	17,077
Ditto, by canal and inland navigation	4,758=42,818
Railway-borne coal exported to Britis parts, or to the coast	
Ditto, by rail beyond districts	21
Ditto, by canal and inland navigation	479= 5,019
Sea-borne coal brought into port, and	exported in same ships 440
trict during May, 1866	beyond limits of coal duty dis-
Ditto, May, 1865	66,112

NEW MODE OF DESULPHURISING.—Messrs. Tait and Avis, of New Tork, have patented a process of desalphurising sulphurets by a current of heated compressed air, impelied by an air-pump, in combination with a closed furnace containing the ore. They also claim in their process the use of nitro-oxide gas in combination with atmospheric air; also the use of steam in combination with the heated air.

ALUMINIUM ARMOUR.-A trial has just been made at Florence of a culrass in aluminium, which is as light as an ordinary waistcoat, nearly as flexible, and capable of turning a musket ball fired at the distance of 38 paces, and of resisting a bayonet throat from the heaviest hand. Each culrase costs only 25 frs. Two regiments are, it is said, to be immediately provided with them.

# The Mining Market; Prices of Metals, Gres, &c.

		ME	TAL MARKET-London, June 8, 1866.
COPPER.		. d. £ s. d	
Best selectedp. ton	89 (		Sheets 9d
Tough cake & tile "	86 0		Wire 8344
Burra Burra "		0	Tubes 11d
Copper wirep, ll		134	STEEL. Per Ton.
dittotubes "		21/4	Swedish, in kegs (rolled 13 0 0-14 0
Sheathing & bolts p.ton	91 0		(hammered). 15 0 0-16 0
Bottoms	96 0		Ditto in faggots 16 0 0-16 10
Old (Exchange) ,,	77 0		English Spring 19 0 0-23 0
IRON.		Per Ton.	
Bars Welsh, in London			QUICESILVER (per bottle). 7 0 0
Ditto, to arrive			SPELTER. Per Ton.
Nail rods			Foreign 20 0 0- —
" Stafford. in London	8 15	0-8176	To arrive
Bars ditto	8 15	0-10 0 0	
Hoops ditto	9 15	0-10 10 0	SING.
Sheets, single	10 7	6-11 0 0	In sheets 28 0 0
Pig No. 1, in Wales	4 5	0- 4 10 0	TIW.
Refined metal, ditto	4 0	0-5 00	English, blocks 85 0 0
Bars, common, ditto		0-7 50	Ditto, Bars (in barrels) 86 00-
Do.,merch.,Tyneor Tees	7 10	0	
Ditto, railway, in Wales		0- 6 15 0	
Ditto Swed, in London,		0	
To arrive		0	
Pig. No. 1, in Clyde	2 11	0- 2 16 0	TIN-PLATES.
Ditto,f.o.b. Tyne or Tees	2 9	6	IC Charcoal,1st qua. p. bx. 1 13 0
Ditto, Nos. 3, 4, f.o.b. do.		6-2 56	IX Ditto 1st quality 1 19 0
Railway chairs	5 10	0- 5 15 0	IC Ditto 2d quality 1 11 0
" spikes		0-12 0 0	IX Ditto 2d quality ,, 1 17 0
LEAD.	** 0	0-12 0 0	IC Coke 1 6 6- 1 7
English Pig, common	90 15	0	IX Ditto , 1 12 6- 1 13
Ditto, ordinary soft		0-21 5 0	Canada platesp. ton 13 10 0
Ditto (WB)		0	In London : 20s. less at the works.
Ditto sheet		0	In London; 208. 1885 at the works.
Dittored lead		0-24 0 0	Yellow Metal Sheathing p. 1b. 8 d
Ditto white		0-80 0 0	Sheets
		0-24 0 0	Yndian Channal Dian
Ditto patent shot		0-24 0 0	Indian Charcoal Pigs 7 00-7 10
Spanish	20 5		in London
• 1	t the	works, 1s. to	Is. 6d. per box less.

REMARKS.—The abandonment of the Conference on European affairs has entirely removed all hopes that war might be prevented on the Continent; and there now seems no doubt that it must be left to the three Powers principally concerned to decide their disputes by the force of arms. It is much to be deplored that a more satisfactory result could not be obtained, as commercial matters must necessarily materially suffer while the war is in progress; besides that, it is impossible to foresee what may eventually be the result of this contest, and what other Powers may be drawn into the strife, when once the flames of war see lit up on the Continent. tually be the result of this contest, and what other Powers may be drawn into the strife, when once the flames of war are lit up on the Continent. The unfortunate failure of the Agra and Masterman's bank, which was announced on Thursday morning, will also tend very seriously to check any returning confidence which might otherwise have arisen; more especially as the influence of the fallen establishment is not confined alone to this country, but extends to India, China, and Australia, where the effects of the stoppage will be seriously felt; and we fear will, for a time at least, be most prejudical to all business transactions. The Metal Market will, of course, suffer with other branches of trade by these various untoward events; and we must expect that the present state of dulness and inactivity will last for some time longer.

vity will last for some time longer.

Copper.—The general stagnation in business has affected the position of this metal, and prevented any improvement which might otherwise have taken place. The market continues very dull, and operations are trifling. aken place. The market continues very dull, and operations and Inon.—In Staffordshire there are a few orders from the United States IRON.—In Stanfordshife there are a few orders from the United States, but only for small quantities; the demand for iron, however, generally is very slack, and few of the works are in full operation. The demand for the German market, which is of some importance in Staffordshire, has almost ceased, owing to warlike preparations going on there. Prices have not, however, fallen very much, either of manufactured or pig-iron, a reduction of from 2s, 6d. to 5s, being the utmost that has been made. In Welsh the trade remains in about the same quiet state as last week, and duction of from 2s. 6d. to 5s. being the utmost that has been made. In Welsh the trade remains in about the same quiet state as last week, and but few orders have come to hand, which are principally from the foreign markets. There have also been some transactions on home account, and a more hopeful feeling is springing up as to the future. It is well known that there are plenty of contracts to be given out, and stocks are low both at home and abroad; but the present high rate of discount keeps buyers back from giving out their orders. Considerable shipments of railway iron are still made to the United States, British North America, and the markets in the Baltic; and, should confidence be restored in financial circles, there is every probability of an improvement in the American trade. Business with the East remains without change, the advices not being very encouraging. The threatened war has led to the withdrawal of several orders which were in the market for Southern Europe. In Swedish iron the market at present is very quiet. In Scotch pig-iron the market has been dull during the week, and prices have again declined. The last advices from Glasgow state the price to be 50s. 9d. cash.

LEAD continues in only limited request, and prices have become somewhat easier, the present quotations being 20l. 15s. for common English pig, 21l. to 21l. 5s. for LB, and 22l. 10s. for WB.

TIN.—No alteration has taken place in the price of foreign during the week; small sales of Straits have occurred at 75l. cash, and for fine square bottoms at 76l. cash, and there appears more disposition to sell at these prices, although very little business is done. Banca is still quoted at 77l. The stock of tin in warehouse in London, on June 1, was 3201 tons, against 2734 tons same time last year, and the quantity of Straits affloat for Europe is 1149 tons, against 1397 tons same time last year.

SPELTER.—The amount of business transacted is very limited; some parcels have been sold, ex ship, at 19l. 15s., and for parcels on the spot the quotation is 20l. The stock in London, on May 31, was 5787 tons, being an increase of 335 tons during the month. but few orders have come to hand, which are principally from the fo ere have also been some transactions on home account, and

an increase of 335 tons during the month. -PLATES.—The trade remains inactive.

STEEL and QUICKSILVER continue without alteration.

# THE IRON TRADE-[GRIFFITHS'S BI-WEEKLT REPORT.]

WOLVERHAMPTON, JUNE 8.—Our neetings on the Wolverhampton and Birmingham Exchanges this week have mustered in good numbers nevertheless, we have a complete pause in business in all departments. Numerous large orders for finished iron are countermanded, and the mar-Numerous large orders for finished iron are countermanded, and the market for pig-iron is quite neglected; a great majority of the manufacturers are complaining bitterly, and matters are evidently progressing to a dead lock. The failure of the Agra Bank has alarmed the trade considerably; our very best orders for Staffordshire iron during the last two months have been supplied by Melbourne and Sydney, Calcutta, Bombay, and Madras, and Shanghai and Hong Kong are the ports we depend upon for orders and remittances for the far-famed nail-rods of South Staffordshire. The Agra and Masterman's Bank had banking houses in all these ports, besides establishments in Agra, Lahore, and Kurrachee. The banking facilities rendered to the flourishing trade of all these ports and cities by the Agra Bank cannot be over-rated, and the unfavourable effect felt in this country by the stoppage of the bank will be of a most serious character. On the Birmingham Exchange it was frequently asked whether the Agra Bank cannot be over-rated, and the unlavourable enect relt in this country by the stoppage of the bank will be of a most serious character. On the Birmingham Exchange it was frequently asked whether the same process of depletion is to continue until other institutions of the same importance to the real trade of the country are victimised. Can the ent do nothing in this state of things or will the G still remain passive while the most useful and solid banking corporations of this country are deliberately slaughtered one by one, thus gradually, but effectually, closing up the sluices of commerce, and thereby creating a state of disorder in the finances of the empire which may not be rectified for years to come? Something must be done, and that quickly. It is hoped that this subject may at once have the serious consideration of Mr. Gladstone and Mr. Göschen before it is too late, as the depletive system may be more generally applied. What if the provinces are attacked: this is fearful to contemplate. The remedy is easy and simple. Let the Government, then, consult the interests of the great trading community, whose best interests are identified with the sound joint-stock banks, and eschew the narrow-minded policy which reigns in Threadneedle-street.

BIRMINGHAM, JUNE 8 .- Rylands'" Iron Trade Circular " says-Better business in manufactured iron, but not much. Pigs slackening in price, (say) 5s., except for special brands, to tempt buyers, who are few.

NEW YORK, MAY 24.—The price of Scotch pig has advanced materially, as a consequence of the rise in gold. At the close of last week there were sales of about 2000 tons of Scotta pig, at prices before the present advance; but there have been no sales at the advanced prices, and the market has been quite unsettled. American is now in good supply, and there is enough in market for the demand. The price of American pig has not been advanced on account of gold yet, but is 1rm, and has an upward tendency. Bar-iron is in good supply, and well sustained in price. The business has been fairly active. New sheathing copper and yellow metal are unchanged. In ingot copper there has been considerable business, and the market has been more active than for some time. Prices are higher, with a firmer feeling. Late advices from Chill state that the shipments for January, February, and March were 15,000 tons, which was the average quarterly shipment for the last nine months of 1885. The prices of pig lead are unchanged. The rice is quiet, but very firm. Pig tin is unchanged; there's but little doing, and prices have been rather in buyers favour. The advance in gold tends to make plates more firm, and quotations in some brands are advanced. The stock on hand is large, and amount of business small.—Iron Age.

A question of some importance to shareholders in cost-book mines (as nanaged in Cornwall) has just been raised by the Vice-Warden of the Stannaries Courts; and it has given rise not only to much comment, but to much misconception. In course of an enquiry incidental to the case of Watson v. Tom, which was a purser's suit for the recovery of calls in arrear, the Vice-Warden gave it as his opinion that at a meeting for the purpose of making a call, the majority of shares should be represented. Now, in ordinary cost-book mines, managed in Cornwall, where pursers and managers have always had an unconquerable aversion to rules and regulations, we have no doubt the ruling of the Vice-Warden applies, and in order to show that it does not apply to great numbers of mining companies, it will be necessary to enquire a little into the Cost-book System, and see what it is. In the first place it is a mutual partnership, and when a mine cost-book is formed, certain parties sign it, binding themselves to pay their proportion of costs, &c., in accordance with the number of shares they hold respectively, the whole number being divided into (say) 1000 shares. This is the simple and ordinary form of the cost-book of Cornwall, and shares are transferred by the ordinary form of transfer, parties accepting shares taking them subject to the general law of the cost-book, the custom of which is that meetings of the shareholders shall be held every two months, or quarterly, when all accounts shall be produced, and a balance-sheet made out, showing the exact financial position of the company. If there is a debt—say, for example sake, of 5001.—it has, according to Stannaries law and custom, to be divided, and a call of 10s. per share made upon the holders of the 1000 shares, and for this purpose the Vice-Warden says there should be a majority of shares represented at the meeting.

We now come to the greater number of cost-book mines, managed in London under special rules and regulations drawn up by counsel 20 years ago, and which, keeping to the Cost-book System in its strict integrity, supply rules and directions for carrying it out. In this case all who form the cost-book Stannaries Courts; and it has given rise not only to much comment, but

regulations annexed "—that is, entered in the cost-book. Of these rules No. 2 states—The committee (or purser or secretary, as the case may be), shall appoint a general meeting once in two or three months.—No. 3. That they shall exhibit at such meetings the accounts made up to the latest convenient period, and shall produce all books, accounts, &c., to the inspection of shareholders.—No. 4 says—"The shareholders shall either pass or reject the said accounts, and shall vote funds and make calls necessary for the prosecution of this adventure, and shall determine on all matters of business appertaining to the same, such determination to be decided by the majority of votes present, either in person or by proxy, and shall be binding on all shareholders, whether present or not, notwithstanding such majority of votes may not represent a majority of shares in this adventure." It is only necessary to state further, in order to put the question entirely at rest, that a cost-book mine was lately wound-up in the Stannaries Court at Truro, and that calls had been made at meetings not represented by one-tenth of the shareholders, but under the rule just quoted represented by one-tenth of the shareholders, but under the rule just quoted they were decided to be perfectly legal. We may add that in order to make these rules effectual they must be subscribed to by every shareholder, and for this reason it is almost impossible to add them to an existing cost-book, but no cost-book company should be formed without them, and on its formation every share should be signed for subject to them.

We may also state that as the principle of the cost-book is a mutual partnership, in which a shareholder can be made individually liable to the creditors of a mine, he can be sued for the whole debts if he refuses to pay his rateable proportion, and it would be a very unwise thing, therefore, to dispute the legality of a call, which protects him from a much greater

The MINING SHARE MARKET opened this week with some little activity, and there has been a fair amount of business transacted in different mines, but the chief attention has been directed to low-priced and hitherto depressed shares. The fall in the standard on Thursday, when a rise was rather looked for, caused some disappointment, and rather more depression in copper mines. Lead mines keep firm, and are most in favour. East Wheal Grenville shares have been more in demand, and leave off 2½ to 2½; the 85 west seems to be getting clear of the horse, and may shortly get into the course of ore passed through in the 75. The lode in the stope is worth 3 to 4 tons of copper ore per fathom, besides good tin. The stopes into the course of ore passed through in the 75. The lode in the stope is worth 3 to 4 tons of copper ore per fathom, besides good tin. The stopes below the 75 west are worth 3 tons of copper and good work for tin, worth altogether 20l. per fathom. Chiverton Moor, 5\(\frac{1}{2}\) to 5\(\frac{1}{2}\). Chontales Gold, 3\(\frac{1}{2}\) to 3\(\frac{1}{2}\). Wheal Basset, 80 to 85; at the meeting held on Tuesday the accounts showed a profit on two months' working of 240l. 3s., and a balance to next account of 882l. 18s. 9d., after declaring a dividend of 1l. per share (512l.) The report states the prospects of the mine are much the same as for some time past. Clifford Amalgamated, 8\(\frac{1}{2}\) to 9; Devon Great Consols, 440 to 450; East Basset, 13 to 15; East Lovell, 7 to 8. East Caradon shares have again advanced to 6\(\frac{1}{2}\), 7; the mine continues to improve. The 80 east, on the caunter lode, is worth 15l.; the 90 east, 25l.; the 70 east, on south lode, 15l.; the 70 west, 20l.; and the 80 east, 5l. per fathom, from which it will be seen that the south lode is turning out more favourably. The 70 west, on the new lode, is worth 8l. and the ends in the aggregate 88l. per fathom. East Russell, 2 to 2\(\frac{1}{2}\); Frontino and Bolivia, 15s. to 17s. 6d. Redmoor shares have been enquired for at 2s. 6d. to 5s., and some interest attaches to the discovery of silver, and what it is likely to turn out. Great North Laxey, 1\(\frac{1}{2}\) to 2\(\frac{1}{2}\); Frontino and Bolivia, 15s. to 17s. 6d. Redmoor shares have been enquired for at 2s. 6d. to 5s., and some interest attaches to the discovery of silver, and what it is likely to turn out. Great North Laxey, 1\(\frac{1}{2}\) to 2\(\frac{1}{2}\); Great Wheal Vor, 17 to 18; Marke Valley, 3\(\frac{1}{2}\) to 3\(\frac{1}{2}\); St. Ives Consols, 6 to 7; Tincroft, 9 to 10; West Chiverton, 67\(\frac{1}{2}\), 70; Wheal Chiverton, 6 to 6\(\frac{1}{2}\); Wheal Crebor, 9s. to 11s.; Wheal Grenville, 1\(\frac{1}{2}\) to 2s, and enquired for. Wheal Seton, 180 to 185. Cambo

ends in one month.

The market for mine shares on the Stock Exchange, in common with the other security markets, is completely paralysed. The transactions are unimportant in amount, and almost without exception at lower prices. It may, however, be remarked that mines have suffered less than many other securities. St. John del Rey shares have been dealt in to some extent, and close 50 to 52; the dividend to be declared at the forthcoming meeting, for the half-year, is 4l., and the accounts will show a credit balance, after paying the same, and adding the usual 10 per cent. on dividend to the reserve fund. The mines are looking well. Cobre shares are firmer, at 13 to 14, and enquired for; English and Australian Copper, \$\frac{1}{2}\$ to \$\frac{1}{2}\$; Don Pedro, \$\frac{1}{2}\$ to \$\frac{1}{2}\$; Anglo-Brazilian, \$\frac{1}{2}\$ dis. to par; Cape Copper, 2 to 2\frac{1}{2}\$ prem.; Port Phillip, \$\frac{1}{2}\$ to \$\frac{1}{2}\$; Central American, \$\frac{1}{2}\$ dis. to \$\frac{1}{2}\$ prem.; Mineral Rigits, \$\frac{1}{2}\$ dis. to \$\frac{1}{2}\$ prem.; Washoe Gold, nominally \$\frac{1}{2}\$ to \$\frac{1}{2}\$; Fron-Mineral Rigitts, 4 dis. to 4 prem.; Washoe Gold, nominally 4 to 14; Frontino, 4 to 4. Chontales, 14 to 14 prem.; these shares are in demand for delivery. In British Mines Great Laxey shares are steady at 204 to 214; Great Vor, 164 to 174. Chiverton, 6 to 61; the lode in Cookney's shaft has improved to 4 tons per fathom; other parts of the mine are officially reported as looking well. West Chiverton, 68 to 70; the mine never looked better. Chiverton, 65 to 70; the mine never reported as looking well. West Chiverton, 68 to 70; the mine never looked better. Chiverton Moor, 5 to 51; the general prospects of the

IRISH MINE SHARE MARKET .- The market opened in the early part I RISH MINE SHARE MARKET.—The market opened in the early part of the week with an ordinary amount of activity, but in consequence of unfavourable reports continuing to arrive from all parts of Europe, both as to political and financial difficulties, business has, therefore, not been well supported. Mining Company of Ireland shares (71, paid), which last week brought 181, 10s. per share, have gradually dropped to 171, 12s. 6d. for cash. For time they were not dealt in, though a better price was offered. Wicklow Copper shares (21, 10s. paid) advanced from 281, for each cast last containing to 281, 12s. 6d. to however, this rise, coupled with cash, our last quotation, to 23l. 12s. 6d.; however, this rise, coupled with a general tendency unfavourable to all kinds of investments, has created a desire to realise; and, on the other hand, lessened the demand, resulting, as might be expected, in a temporary cessation of transactions in these shares. Connorree shares have also suffered depression, and are now on sale at 17s. 6d. General Mining Company for Ireland shares have since the meeting of shareholders, noticed below, declined to 2t. 3s. 9d. (5t. paid), chiefly in consequence of the very favourable prospects of the ultimate

success of the company's extensive mines justifying a more liberal expenditure, and the present low state of finances necessitating further calls on the shareholders, if they wish to see those prospects realised.

The General Mining Company for Ireland held a half-yearly general meeting, on Monday, at their offices in Dublin (Mr. Redmond Carroll in the chair), when the following report was read:—
The director beg to authout to the proprietors the report of their consulting engineer, Capatan W. G. Roberts, for the half-year ended April 2. Its principal features will, her believe, prove highly satisfactory to he shareholders, and will render explanations on the part of the present in the present in the present in the present in progress at Shalies, your principal point of operation at present, have in consequence been retarded. Nevertheless, the ordinary and exploratory works, and those present of the present discoveries of new lead bready the present of the present of

and Mr. Darcy.

The following are the Government Returns of the exports of articles identified with mining, the produce and manufacture of Great Britain, for the four months ending April 30, 1866; and also as compared with the four months ending April 30, 1865; extracted from the "Accounts relating to Trade and Navigation," published by the Board of Trade:—

Coals and culm	£	1,280,163	• • • • • • • • • • • • • • • • • • • •	£1,494,382	••••	£214,2
Hardwares and cutlery :-	**** 444		£178,017			
Surgical instruments	150 000					
Agricultural instruments	156,920	1 050 000	147,607			
Other sorts	975,974 =	1,200,338	1,090,672 =	1,416,296	****	165,98
Machinery:-						
Steam-engines	707,311		402,531			
Other sorts 1	,012,627=	1,719,938	882,991 =	1,285,522		
Total		4,250,439		£4,196,200		
Metals :- Iron-Pig	6407,229		£452,230	,,		
Bar	615,179		817,221			
Railroad	746,342		1,094,268			
Wire	136,761		154,605			
Ditto telegraphic	66,820		169,617			
Castings	200,416		223,412			
	380,091		597,037			
Hoops	669,866		839,936			
Wrought	9 157-	3,224,861		4,361,260		1 128 20
Old	2,101-	205,263		. 367,084		
teel	82,856	200,200	174,794	001,001		101,04
Copper-Unwrought			520,496			
Wrought	959,163	1 104 990		716 600		
Other sorts		1,104,886	21,010=	716,600		
TARS	********	70,375		76,523		6,14
ead-Pig	148,970		209,442			
Ore	46,994 =	195,964		287,385		91,42
in-Unwrought		155,480				
in-Plates		487,442				218,48
ine		29,023		42,282		18,25
	-					

The following are the Government Returns of the Imports and Exports of Gold and Silver Bullion and Specie for four months ending April 30, 1866, from and to the undermentioned places, showing the respective results in favour of and against this country; extracted from the "Accounts relating to Trade and Navigation," published by the Board of Trade:

DECLARED VALUE FOR THE FOUR MONTHS ENDING APRIL 30, 1866.

Total increase ......£1,153,300

				,	exports ove	er le	nports over
	Imports.		Exports.		imports.		exports.
Australia	£1,755,741		£ 17,515		-		£1,738,226
Beigium	103,649		18,881		-		88,768
British South Africa		****	-	****	_		2,485
British Columbia	and a		_		-		-
British North America	16,189		4000		-		16,189
Brazil	72,683		161,558		£ 88,875		-
Reypt	3,181		2,690,705	****	2,687,524		-
France	264,613		1,708,400		1,443,787		-
Gibraltar	18,618		-		-		18,618
Hanse Towns	720,365		120,370		*******		599,995
Holland	44,142		10,491		winner.		33,651
Malta	-		-		-		_
Mexico & South America.	1,725,434		29,673		****		1,695,761
Portugal	191,640		-		-		191,640
Russia	_		-		-		-
Spain	14,542		296		-		14,246
Turkey	_		-		-		-
United States	765,905		81,894		****		684,011
West Africa	43,595		36,794		-		6,801
"Other countries"	18,314	****	5,636		***	••••	2,678
Total£	5,750,043 cess exports	£	4,882,213 imports	£	4,220,186	£	5,088,016 4,220,186

Balance .....£ 867,830

3l., and in the price per ton of ore about 3s. 6d. Compared with the corresponding sale of last month, the decline has been in the standard 2l. 13s., and in the price per ton of ore about 3s.

and in the price per ton of ore about 3s.

At the Swansea Ticketing, on Tuesday, 2903 tons of copper ore were sold, realising 29,3571. 12s. 6d. The particulars of the sale were—Average standard, 934. 6s.; average produce, 13\frac{1}{2}; average price per ton, 101. 2s. 3d.; quantity of fine copper, 384 tons 13 cwts. The following are the particulars of the sales during the past month:—

Date. Tons. Standard. Produce. Price per ton. Per unit. Orecopper. May 8. 2634 ... 290 7 0 ... 1444... 240 17 0 ... 14s.11\frac{1}{2}d... 274 16 0 June 5... 2903 ... 93 6 0 ... 13\frac{1}{2}d... 10 23 ... 15 3\frac{1}{2}d... 274 16 0 June 5... 2903 ... 93 6 0 ... 13\frac{1}{2}d... 10 23 ... 15 3\frac{1}{2}d... 276 7 0 Compared with the last sale, which was also the corresponding sale of last month, the advance has been in the standard about 2l., and in the price per ton of ore about 6s. Of the 2903 tons of ore sold on Tuesday 297 tons were British ores, which gave an average produce of 9\frac{1}{2}s. and sold at an average standard of 9\frac{1}{2}l. 12s...=7l. 1s. 5d. per ton of ore; the remaining 2606 tons were foreign ores, which gave an average produce of 14\frac{1}{2}s. and sold at an average standard of 89l. 19s. 6d. = 10l. 9s. 2d. per ton of ore. On June 26 there will be offered for sale 3276 tons, from Cape Copper Company, Moonta, Wallaroo, Genca, Berehaven, Yanganooka, Great Laxey, Leghorn, Gwalla, Concordia, and elsewhere.

pany, Moonta, Wallaroo, Genca, Berehaven, Yanganooka, Great Laxey, Leghorn, Gwalla, Concordia, and elsewhere.

At Frank Mills Mine meeting, on May 26, the accounts showed a credit balance of 21201. 123. 104. Capts. J. P. Nicholis, John Cornish, and F. Cornish say—"Our tribute department consists of six pitches, worked by 12 men, at tributes ranging from 41. to 51, per ton; but, on the whole, they are not so productive, the principal and best ground having been taken away. We have much pleasure in stating that, notwithstanding the falling off during the past quarter, it is our unanimous opinion that the mine, on the whole, never looked so well as at present of becoming a lasting productive so near the engine-shaft as at the 130; and when we look at the present value of the lode at this depth we are faily institude in arriving at such conclusion. The present number of hands we have employed is 182."

At South Exmouth Mine meeting, on May 26, the accounts showed a debit balance of 1457. 3s. 10d., and arrears of calls 63. 12s. A call of 6s. per share was made. Mr. Adam Murray and Capts. J. P. Nicholis and G. Maunder say—"The mine throughout, with all the machinery on it, is in good working order. The total number of hands employed is 60."

At North Treskerby Mine meeting, on Tuesday, the accounts for March and April showed a credit balance of 1451. 6s. 11d. A contribution of 51. 5s. was made towards the expenses of the Miners' Forgeries Prosecution. Capts. R. Pryor, J. Tragoning, and T. Jenkin say—"Since our sale of ores, on November 30, the drop in the standard has affected us, like other mines, most seriously; even on our last sale, compared with Nov. 30 sale, the drop has made a difference to us of 11. 7s. per ton, say 3811. 17s., and on the two preceding sales about 3001. together nearly 9001. In examing our report, it can be seen that the mine continues to look well, and a great improvement may be shortly expected at the 120 and several other levels. Our machinery is in good order, and working well."

At North

the chair), it was (as stated in last week's Journal) unanimously resolved to file another patition against the defaulters for the recovery of the arrears of call. The details in such a recovery of the covery of the arrears of call.

petition against the defaulters for the recovery of the arrears of call. The details in another column.

At the Cape Cornwall (St. Just) Consolidated Mining Company (Limited) special meeting, on Monday (Mr. H. L. Phillips, managing director, in the chair, the Chairman stated that this meeting was convened for the purpose of confirming the special resolutions rassed at the meeting on the 19th uit. The first resolution was purely formal, and required no explanation. The second resolution was to give power for the issue of 3000 new shares, and shareholders had also unanimously agreed to this step at the meeting referred to. It was quite sure that every shareholder in the company saw the policy of adopting this resolution, and he hoped that all of them would also practically support it by taking their proportion of this new issue, and cordially co-operations with the directors in their earnest desire to see the undertaking brought to a successful issue. The mines had been inspected and reported upon by several well-known practical agents lately, and they all concurred in the universal opinion that a good mine would result to the shareholders. He might mention that, instead of the expenditure requisite in the development of the mines having been distributed over a period of four to five years, the same amount of work had been performed in half that time, which all would agree was true economy in mining operations. He had that morning received a letter from Capt. Goldsworthy, and they would see from it that copper was coming in at the 80 and 90. These were facts which spoke for themselves. He would read the letter. He then formally moved the confirmation of the special resolutions passed at the general meeting of the shareholders, which were put separately and seconder respectively by Mr. Ellis and Mr. T. L. Plumb, and carried unanimously. The meeting then separated.

At the South Basses Mine meeting, on Monday, the accounts showed a debit balance of 836L. A call of 30s, per share was made.

shit balance of 8361. A call of 30s, per share was made.

At Wheal Mary Hutchings (Plympton) meeting, on Wednesday last Captain J. Tom, R.N., in the chair), the accounts showed a credit balance of 2221., inciding the last sale of tin. A call of 3s, per share was made, in order to meet the extra ost for the erection of new machinery. The report of the manager, Captains Edwards, as considered highly satisfactory as regards the future prospects.

At the Rossa Grande Gold Mining Company (special) meeting, on fonday (Mr. G. Noakes, F.G.S., in the chair), the resolution (in accordance with the loquirements of the Stock Exchange) preventing the employment of the funds of the company in the purchase of the company's shares, was unanimously confirmed. Details

In another column.

At the Austin Consolidated Mining Company meeting, for confirming the resolution for winding-up voluntarily, it was ruled, following counsel's opinion, that the resolution though confirmed would be invalid, not having been confirmed within the month, as required by Sec. 51 of Companies Act, 1862. The majority of those present afterwards held a private meeting, and unanimously condemned a threatened winding-up in Chancery, and instructed Mr. A. Pulbrook to oppose any proceedings that may be taken for that purpose.

On the Stock Exchange a very limited amount of business has been transacted in Mining Shares during the week. The following quotations were officially recorded in British Mining Shares:—Devon Great Consols, 445, 447½; Wheal Buller, 12; West Chiverton, 69½; Great Laxey, 21 20½.—In Colonial and Foreign Mining Shares the prices were:—Cape, 9½, 9½; Frontino and Bolivia, ½ to 1; St. John del Rey, 50, 48½, 50; Pontgibaud, 6½, 7, 6; Washoe, 1½, 1½; United Mexican, 1½, 1½; Don Pedro, ½, Panulcillo, 3½.

gibaud, 63, 7, 0; Whendow, 12, 12; Ollited Modeling, 14, 24, 2004, 14; Panulcillo, 31.

The Bank of England return for the week ending on Wednesday evening was highly favourable, and it is probable that but for the suspension of the Agra and Masterman's Bank, Thursday would not have passed over without a reduction in the minimum rate of discount. That the bank in question was extremely "week" has been well known for months, it might almost be said for years, which will account for the fact that, slithough the liabilities are some 19,00,000, it has not had much further effect in shaking condidence. It is now considered that the atmosphere has been pretty well cleared of "week" banks, and the speculators on the Stock Exchange are now bestowing their favours upon the financial companies—the Credit Mobilier and Foncier of England, and the London Financial, being apparently those selected to commence upon. In the ISBUE DEFARTMENT there is shown an increase in the notes issued of 1,186,120%, represented by a corresponding increase in the colm and builting side of 461,003%, and an increase in the "rest" of 14,620%, and recrease in the "outer search the "other securities" 212,03,07%, —together 199,600%, from which must be deducted a decrease in the "other securities" 21 260,337%, showing a total increase on the liability side of 269,208%. On the asset side there is shown a decrease in the "Government securities" of 51,236%, and a corease in the "Government securities" of 51,236%, and a corease in the "Government securities" of 51,236%, and a corease in the case of the corease in the reserve of 1,966,641.—increase in notes, 1,751,9984, and in coin, 214,066%.

At the Bank of British North America meeting the accounts showed

At the Bank of British North America meeting the accounts showed the nett profit for the year as 73,871. 68. 3d., which enabled the directors to pay, in addition to the usual half-yearly dividend at the rate of 6 per cent. per annum, a bonus of 1 per cent. This left 78781. 68. 3d. to be carried to the "rest."

At the Peninsular and Oriental Steam Navigation Company meeting a dividend of 3½ per cent. for the half-year was declared. It was remarked that the company have no bad debts nor any unreasonable searnities.

At the City of London Real Property Company (Limited) meeting the revenue account for the year, with the amount previously in hand, shows a credit balance of 73871, out of which a dividend of 7 per cent. was declared for the period named, including an interim distribution of 3½ per cent. already mads. The balance to be carried forward is 40331.

rd is 40337 The Central American Association (Limited) shares are to be marked in the Twice a Week List of the Stock Excha

RESULT OF MESSES. PETO AND BETTS' STOPPAGE. -At the creditors' RESULT OF MESSRS. PETO AND BETTS' STOPPAGE,—At the creditors' meeting, yesterday (Mr. Jackson, Chairman of the committee of investigation, and of the Imperial Mercantile, in the chairty, the statement of the affairs of the firm was submitted. There are unsecured creditors for 258,9481, 18s. 6d.; ditto holding security, 510,9001; liabilities on account of James McHenry, not covered by any security, nett, 179,4341.; contingent liabilities, 235,4501. 1s. 8d. The assets are stated at 1,562,0641. 18s. 10d., which consists of plant and securities, 522,2034. 17s.; and deferred. assets (chienty for advances on works, and debt due from James McHenry, 1,294,7841. 13s. 9d. The Chairman said that if the creditors exercised forbearance, and placed condence in the principals of the firm, he had no doubt that the creditors would secure themselves 20s. in 1l. Forbearance, he thought, ought to be the order of the day, and he urged the advisability of the creditors exercising that, in a case like this, very necessary virtue. It was resolved—"That it is expedient that the estates of Messra. Peto and Betts, and Peto, Betts, and Crampton, should be wound-up by those parties and provisions, and embracing all assets of the several member of those firms, be pre-

pared and submitted to the auditors for execution; that the letter of license be grant for one year, if necessary, with a power to the inspectors to extend it for a further p riod; and that Messrs. Richard Fothergill, Peter Holt, and Thomas Fenn be request

for one year, If necessary, with a power to the inspection to extent of the that Mesers, Richard Fothergill, Peter Holt, and Thomas Fenn be requested to act as liquidators."

RESULT OF OVEREND, GURNEY, AND CO.'S STOPPAGE.—The report of Mesers. Turquand and Harding, the provisional liquidators of Overend, Gurney, and Co., has been issued this evening. In the existing state of affairs it is necessarily to some extent vague, but the details are, nevertheless, sufficient to indicate that the prospect is not good for the ultimate return to the shareholders of any considerable portion of the paid-up capital. The discount business carried on by the company from the date of its formation seems, on the whole, to have been of any considerable portion of the paid-up capital. The discount business carried on by the company from the date of its formation seems, on the whole, to have been of any considerable portion of the institution of the partner, but the liabilities taken over from the old firm are shown to have been of far greater magnitude than was supposed, and to be likely from the recent course of events to involve a deficiency of at least 700,000. It appears that these liabilities amounted to a direct sum of 14,425,6781, carclustive of contingent liabilities on 8,508,000. bills in the hands of customers), and that the sees contingent liabilities on 8,508,000. bills in the hands of customers), and that the sees seasons them, including the separate states of the partners, then valued at 2,000,000, amounted to 17,525,000. has leaving, supposing the re-discounted bills to run off without loss, a surplus of 3,177,000. But authough this was assumed to be sufficient for all contingencies the progress of the liquidation showed a deficiency to be inevitable, and at the time of the stoppages the lock-up of funds in this liquidation account was still nearly 3,000,000., and the dotte, 500,000. In a section of the state, 266,8835. To unsecurities held by secured creditors and 29,046. In premises, furniture, &c. These items make

STOPPAGE OF A CORNISH BANK.—It was announced late last evening that the St. Colomb and Falmouth Bank had been compelled to close its doors. The liabilities are estimated at about 200,0001, and the assets at 250,0001, to 300,0001. The books have been placed in the hands of Messrs. Kemp, Caunder, Ford, and Co., account-

	LEAL	O ORES.	
Date. Mines.	Tons.	Price per ton. Purchasers.	
une 1-Great Laxey	100	### 25 6 Stock & Co.  ### 25 6 Stock & Co.  ### 25 6 Walker, Parker, & ditto  ### 3 6 ditto  ### 3 6 ditto  ### 3 6 Walker, Parker, & ditto  ### 3 6 Walker, Parker, & ditto  ### 25 Co.  ### 25 Co.	
- ditto	83	13 3 6 Walker, Parker, S	Z Co
- ditto	66	13 3 6 ditto	
- ditto	73	13 3 6 ditto 13 13 6 Walker, Parker, 8 6 10 0 ditto	
7-Minera Boundary - ditto	, &c 30	13 13 6 Walker, Parker, &	& Co
- unto		6 10 0 ditto	
Date. Mines.		ENDE.	
nno 1 - Minoro	Tons.	Price per ton. Purchasers £ 4 0 6 Kenrick and Son.	
- ditto	63	4 0 0 ditto	
- ditto	45	4 5 0 H. Southern.	
- ditto	114	4 18 0 ditto	
-Maes-yr-Eiwddu	59	4 0 0 ditto di	
		K TIN.	
Date. Mines. Iay 31—Pedn-an-drea Unt	Tons c. q. ib	a. Price per ton. Amount. Purcha	
	-	R ORES.	
Sample		sold at Swansea June 5.	
Mines. Tons. Produ	ice. Price.	Mines. Tons. Produce. Pr	ice.
oonta 70 181	£12 19 6	Wallaroo 57 12 % £8	6
ditto 67 19	13 1 6		9
ditto 66 181	13 3 6	I Hoz de Barcena 23 1236 9	0 4
ditto 66 184 ditto 68 184 ditto 66 184 ditto 61 183 ditto 60 184	13 4 0		5 (
ditto 60 181/4	12 9 6	Berehaven119 9% 7	1 1
ditto 79 1714	12 4 0	ditto 81 944 7	2
ditto 78 171	12 12 6	Leghorn 4 1438 10	0 (
ditto 77 171	12 8 6	ditto 6 2034 15	2 (
ditto 74 17	12 16 6	African 1 2814 21	3
ditto 51 165/	12 9 0	Cobre 96 1214 8 1	11
ditto 76 15%	10 16 6	ditto 94 12 8	9
ditto 75 14	10 18 6	ditto 93 1214 8 1	11
ditto 51 11%	8 9 6	ditto 61 1234 8 1	11
aliaroo 117 10%	7 4 6	ditto 48 1958 14 1	15
ditto 10%	7 0 6	ditto 44 19% 14	12
ditto 10%	6 18 6	ditto 8 15% 11	7
ditto 85 114	8 1 6	ditto 7 5014 36 1	18
ditto 60 18/4 ditto 80 17/ ditto 79 17/4 ditto 79 17/4 ditto 77 17/4 ditto 77 17/4 ditto 77 17/4 ditto 76 17/4 ditto 74 17/4 ditto 51 16/4 ditto 76 18/4 ditto 55 17/4 ditto 55 17/4 ditto 51 11/4 ditto 11/5 10/4 ditto 11/5 10/4 ditto 11/5 10/4 ditto 11/5 10/4 ditto 18/5 11/4 ditto 18/5 11/4 ditto 85 11/4 ditto 86 11/4 ditto	8 1 0		14 (
ditto 78 11 ditto 61 834	TOTAL	PRODUCE	
oonta 1164	£14,350 15 6	Berehaven 297 £2,099 1   Leghorn 15 181 1	18
allaroo 764	1,005 5 0	African 15 181 1	3 (
el Soto 81 oz de Barcena . 23	207 11 6	African 1 21 Cobre 558 5,987 1	
COMPANIES R	Y WHOM TH	E ORES WERE PURCHASED.	
COMPANIES B	my		
Copper Miners Compe		1,101 0 0	
Copper Miners Compe Freeman and Co Grenfell and Sons		194 1.665 4 0	
Copper Miners Compa Freeman and Co Grenfell and Sons	Co	194 1,665 4 0 203 2,463 2 0	
Copper Miners Compa Freeman and Co Grenfell and Sons	Co	194 1,665 4 0 203 2,463 2 0 52414 4,530 19 6	
Copper Miners Compe Freeman and Co Grenfell and Sons	Co		
Copper Miners Compi Freeman and Co Grenfell and Sons Sims, Willyams, and Vivian and Sons Williams, Foster, and Mason and Elkington	Co	4,530 19 6 4,463 8 3 2464 2,879 14 6	
Copper Miners Compi Freeman and Co Grenfell and Sons Sims, Willyams, and Vivian and Sons Williams, Foster, and Mason and Elkington Bankart and Sons Charles Lambert	Co	4,530 19 6 4,463 8 3 24636 2,879 14 6	

Waliaroo 278—Genoa 261—Berehaven 780—Yanganocka 120—California 447— Laxey 140—Leghorn 100—Gawalia 23—Concordia 45—African 5—Australian siduum 10.—Total, 3276 tons.

TOTAL AND AVERAGES. TOTAL AND AVERAGES.
21 cwts. Produce. Price. Standard.
British 297 94 £7 1 5 £95 12 0
Foreign 2606 144 10 9 2 89 19 6 Whole sale ...... 2903 ...... 131/4...... £10 2 3 ...... £ 93 6 0

COPPER ORES.

1	Mines.	Tons.		rice		Mines.	Tons			rice.	
ı	Prosper United	. 93	£2	16	0	Par Consols				12	6
١	ditto	. 83	1	16	6	West Basset	48		5	1	0
1	ditto	. 58	2	10	6	ditto	46		5	2	0
Ī	ditto	. 52	3	7	6	ditto	42		8	10	6
ł	ditto	45	- 5	4	6	Great South Tol	gus 43		2	5	0
ı	Carn Brea	71	2	11	0	ditto	38	3	2	6	0
ı	ditto	67	4	2	0	ditto	28		3	17	0
ı	ditto	66	2	12	6		19			8	6
ı	ditto	46	5	16	6	Rosewarne Unit	ed 48		8	10	6
ı	ditto	35	5	15	0	ditto	45		4	13	0
l	ditto	18	1	7	6	ditto	33		3	7	Ö
	East Carn Brea	50	3	13	0	Mellanear	24		1	13	6
Г	ditto	42	3	13	0	ditto	18		3	13	o
l	ditto	29	2	4	0		15			16	Ö
Į.	ditto	28	4	3	0	Rosewarne Conse	ols 25		3	7	6
1	ditto	91		13	0		21		7	13	6
1	Par Consols		4	10	6	South Carn Bree	A 23		2	15	0
1	ditto	60	5	0	6	South Dolcouth	16		5	16	6
ŀ			TO	TAI	P	RODUCE.					
ŀ	Prosper United 381				0	Rosewarne Unit	ed. 196	£	729	0	-
	Carn Brea 203		122	19	0	Mellanear			147		i
	East Carn Brea 170		192	9	0	Rosewarne Cons			245		ò
	Par Consols 167		35	3	6	South Carn Brea			63	5	Č
	West Busset 136		125	1	ŏ	South Dolcoath		•••	93		i
	Great South Tolors 199		190	ô	6	STATE STORES	20		20	U	,

COMPANIES BY WHOM THE ORES WERE PURCHASED. 

Copper ores for sale at the Royal Hotel, Truro, on Thursday week.—Mines and parcels.—Devon Consols 1790—Marke Valley 427—East Caradon 350—Brookwood 280—Wheal Friendship 168—Badford United 123—Gunnislake (Clitters) 106—Wheal Crelake West Maria and Fortescue 60—North Wheal Robert 35—Wheal Edward 29—Sortridge Consols 25—Hawkmoor 24.—Total, 3460 tons.

NO SALE on Thursday next, June 14.

#### WATSON AND CUELL'S MINING CIRCULAR,

WATSON AND CUELL,

MINING AGENTS, STOCK AND SHARE DEALERS, &c. 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

MESSRS. WATSON AND CUELL having made arrangements for transferring their weekly Circular, which has had so large a circulation during the past ten years, to the columns of the Mining Journal, their special reports and remarks upon Mines and Mining, and the state of the Share Market, will in future

ing the past ten years, to the columns of the Mining Journals, their special reports americans apon Mines and Mining, and the state of the Share Market, will in future appear in this column.

In the year 1843, when Cornish mining was almost unknown to the general public, attention was first called to its advantages, when properly conducted, in the "Compendium of British Mining," commenced in 1837, and published in 1843, by Mr. J. Y. WATSON, F.G.S., author of "Gleanings among Mines and Miners," "Records of Ancient Mining," "Cornish Notes" (first series, 1862), "Cornish Notes" (second series, 1863), "The Progress of Mining," with statisties of the Mining Interest, annually for 21 years, &c., &c., &c. In the Compendium, published in 1843, Mr. Warson was the first to recommend the system of a "division of small risks in several mines, ensuring success in the aggregate," and Messrs. Warson and Curll have always a selected list on hand. Perhaps at no former period in the annus of mining has there been more peculiar need of honest and experienced advice in regard to mines and share dealing than there is at present; and, from the lengthened experience of Messrs. Warson and Curll they are emboldened to offer, thus publicly, their best services to all connected with minesor the marke, as they have for so many years done privately, through the medium of their own Circular.

reular.

73. WATSON and CUELL transact business in the purchase and sale of mining and other securities, payments of calls, receipt and transmission of dividends, ag information for clients, and affording advice, to the best of their knowledge giment, based on the experience of more than 30 years active connection with

and judgment, based on the experience of more sizes of years and the public that they make the Mining Market.

Messrs, WATSON and CUELL also inform their clients and the public that they transact basiness in the public funds, railway, docks, insurance, and every other description of shares dealt in on the Stock Exchange.

Messrs, WATSON and CUELL are also daily asked their opinion of particular mines, as well as to recommend mines to invest or speculate in, and they give their advice and recommend mines to the best of their judgment and ability, founded on the best practical advice they can obtain from the mining districts, but they will not be held responsible, nor subject to biame, if results do not always equal the expectations they may have held out in a property so fluctuating as mining.

nor subject to biame, it results to not always equal the expectations they may have held out in a property so fluctuating as mining.

Messrs, WATSON and CUELL having agents and correspondents in all the mining districts, and an extensive connection among the largest holders of mining property, have the more confidence in tendering their advice on all matters relating to the state and prospects of mines and mining companies, and are enabled to supply shares in all the best mines at close market prices, free of all charge for commission.

"X."—Great North Laxey will sample 40 to 50 tons of lead next week e mine looks well. Shares, like most others, are quoted much lower, and now is the

ne to buy.
"Watson v. Tom."—We have received numbers of communications

"WATSON v. Tom."—We have received numbers of communications about this case, and the opinion given by the Vice-Warden in respect to making calls. In regard to the case itself, we know nothing more of it than we have read in the papers, the plaintiff being in no way connected with any member of our firm, as many have supposed. In reference to the point raised by the Vice-Warden, some remarks will be found in the City Article.

"A. B."—A great many enquiries are springing up for mining shares, and we have found it quite impossible to execute several orders at all, when limited to late quotations. The demand has shown that very little stock is held on the market, and that a general rise must take place in good shares.

"A SHAREHOLDER."—Great Retallack: These shares have been a little enquired for. There is no doubt the lead lode discovered in the new ground is qual to anything of the kind in the Chiverton district, and only wants a small outlay to make it profitable. In the meantime, we understand the committee have come to the determination to enforce the arrears of calls at once, and no individual shareholder can compiain of being sued for the debts of the company when he refuses to pay his proportion in the shape of calls.

plain of sening such that in the shape of calls.

"H. C."—The agent hopes to get the engine to work by the end of July,

"H. C."—The lode now so rich in the in the shape of calls.

"H. C."—Theagent hopes to get the engine to work by the end of July, by which time the wheel will be ready for drawing stuff. The lode now so rich in the 45 was first discovered in the 30, some months ago, when some splendid stone of ore, said by all who saw them to be the top of a bunch of ore, were sent to London. At that time, it will be remembered, we stated in this Circuiar that the committee had determined not to spend time or money in driving levels at the 30, but to devote all the force at the mine to sinking the shaft to the 45. We estimated in our article at the time what the cost of it would be, and told intending purchasers if the lode were cut as good in the 45 at twas seen in the 30 they would make a deal of money, and four the lode of the same of the same of the same such as good in the 30 and the same such as a same such as the same such as a same such as the same such as same such the same such as a same such as the same such as same such as the same such as same such as same such as the same such as same such as the same such as seen therefore, the present is not a discovery in the 45, but was first made in the 30, and 9 tons of ore were raised in that level, though driving was discontinued in order to put all force to the shaft. As soon, therefore, as the winse now in course of sinking below the 30 is driven to the 45 there will be 15 fathoms of backs to take away.

REDMOOR.—There is a branch of lead here, about 15 in, wide, and a leader of stiver, about 4 in. Assays made from picked specimens have produced as high as 420 cs. of silver per ton; the agent promises to have 1 ton of the average quality ready by Wednesday next, and a fair sample of it sent to London for assay. What the discovery may turn out no one can tell at present.

NEW INVENTIONS.

PROVISIONAL PROTECTION for six months has been granted for the following:—
T. Scott, Inverkeithing.—Improvements in sinking tubes, cylinders, or calesons for the foundations of piers, lighthouses, quay waits, and similar structures, and for the sloking of mine shafts and wells. April 7.

LETTERS PATENT have been issued for the following:—
C. J. Cawson, Toulouse, France.—Manufacturing from and steel, and the alloyage of metals, together with preparing cres for the same. Feb. 23.
G. Haskutze, S. Southampton-buildings.—Improvements in the manufacture of sheet-tron. April 20.

SPECIFICATIONS

SPECIFICATIONS published during the week: 
Furnace-bars and freegrates, 10d.; cutting, punching, and bending sheet-metal, 10d.; preparing and applying amalgams, 10d.

L. DE FONTAINEMOREAU.

CORNISH PUMPING ENGINES.—The number of pumping-engines reported for April is 26. They have consumed 2351 tons of coal, and lifted 18:2 million tons of water 10 fms. high. The average duty of the whole is, therefore, 52,100,000 lbs. lifted 1 ft. high, by the consumption of 112 lbs. of coal. The following engines have exceeded the average duty:—

OM. Inc tonowing engines have exceeded and average date	
Chiverton-Cookney's 60 in	53.0
Cargoil Mines-Michell's 72 in.	
Crane-70 in	
Great Wheal Busy-Harvey's 85 in	
Great Work-Leed's 60 in.	
South Wheal Frances-Marriott's 75 in	57.8
West Caradon-Elliot's 50 in.	56.0
West Wheal Seton - Harvey's 85 in	61.1
Wheal Curtis-70 in	\$3.0
Wheal Margery Welsley's 45 in	
Wheel Seton-Tilly's 70 in	71.1

IRON IN AMERICA.—The United States' Revenue Commission have laid before the Secretary of the Treasury a report in regard to from and steel, comparing the resources of this country with those of Europe, Asia, and America. We learn that in 1830 the United States became the largest consumers, and continue so to this time. Our national advantages for the production of from and steel are not surpassed in the world, and we have learnt to avail curselves of them. We shall soon become the largest producers, although it must be long before it can be to our interest to send from from our shores. England now employs from to the extent of 180 lbs. per head of population, and exports more than she consumes. We manufacture 1,500,000 tons, and import about 300,000 additional. Our consumption does not exceed 130 lbs. per head. The Commission report that in the manufacture of steel our country has nearly emancipated itself from dependence upon others. The American cast steel has been tried throughout all the manufacturing States by the most abiliful manipulators of fine cutiery, tools, and in both heavy and delicate machinery, and the evidence of its excellent quality is beyond dispute.— New Fork Herald.

THE COAL Fields Of ENGLAND AND AMERICA.—A correspondent of

widence of its excellent quality is beyond dispute.—New York Herald.

THE COAL FIELDS OF ENGLAND AND AMERICA.—A correspondent of the New York Keening Post writes as follows concerning Mr. Gladstone's comparison of the coal fields of England and those of this country, made in his recent speech in the British House of Commons:—"The last steamer from Europe brings us the speech of Mr. Gladstone in the House of Commons on the 3d inst., when, as Chancellor of the Exchequer, he made his annual statement of the financial condition of Great Britain. Among other subjects he spoke of the sbillty of England to continue the supply of coal at the rate it has been furnished the last ten years, and then instituted a comparison between the coal-producing capacity of England and the United States. This is a topic which has of late often engaged the attention of scientific men and statesmen, but they have consently bandled it with more sbillty than Mr. Gladstone has—at least they have tween the coal-producing capacity of England and the United States. This is a topic which has of late often engaged the attention of scientific men and statemens, but they have generally handled it with more ability than Mr. Gladstone has—at least they have taken the truble to get their facts all right before they draw conclusions. Mr. Gladstone says there is another country, not only as rich in mineral wealth as ourselves, but with a coal surface thirty-seven times greater than the coal surface of this country. I allode to the United States of America, and though most of the coal there contains so large an amount of anthracite that it is not fit for steam or for smelting purposes, yet to domestic purposes it is capable of being adapted. Is it possible that Mr. Gladstone can have been correctly reported? Does he not know that our navy uses subtractle coal, and that our steamers can make longer trips without coaling than those of England? Does he not know that our steamers emit no smoke, because they burn anthracite coal, and but for this blockade-running would have been ten times more successful than it was during the late war? Coald England have furnished to the rebels anthracite coal to make steam for the steamers she multifor them the way would, perhaps, have been he not know that our steamers emit no smoke, because they burn anthracite coat, and but for this blockade-running would have been ten times more successful than it was during the late war? Could England have furnished to the rebels anthracite coal to make steam for the steamers ahe built for them the war would, perhaps, have been much prolonged. If Mr. Gladstone will visit New England he will find that nearly every spindle of her factories is driven by steam generated by anthracite coal, and when he rides on ratiroads located within 200 or 300 miles of the anthracite coal shelds, he will be drawn by a locoroctive fed by anthracite coal. So much for 'steam purposes.' 'Now, in regard to smelting.' Did Mr. Gladstone never hear of 'authracite iron? If not, the ironmasters of England can tell him that it can be produced in the United States; that he quality of the metal as' pig,' or after being milled, is superior to English from; that when made into rails it lasts longer, and is in the end much cheaper. Had he consulted the work of Mr. Jevous, whose statistics, he says, his 'honourable friend the member for Westminster had quoted,' he would not have made such a blunder, for the question of the ability of England to continue to be the ironmaster of the world is ably and fairly discussed by that author. On another point Mr. Gladstone is in error. He says—'Most of the coal there (in the United States) contains so large an amount of anthracite,' &c. It would be well for the fature of A merica were this the case. Thus far, the only anthracite coal discovered in the United States is in Fennsylvania, and the entire quantity is comprised within 300,000 areas, or 47 square miles, while the total area of the coal beds of the United States is 146,859 square miles, so that one acre out of every 3124 acres contains anthracite coal. If Mr. Gladstone, before he makes up his next budget, will study the subject he will be able to make a much more interesting statement."

# Notices to Correspondents.

VALE OF Town.—Will anyone interested oblige by communicating some particulars as to the actual position of this company?—A Shareholder.

OLVADDEN MINE.—I shall be glad if any correspondent would give me some informa-tion concerning this mine—what they are doing with the new ground, and how the new engine is working, as there has been a total absence of any definite news since the last call.—A SHARKHOLDER.

Inquirer" is requested to communicate with Mr. Geo. Henwood, Tritonville Ave. Sandymount, Dublin, who will give the information required.

# THE MINING JOURNAL

Bailway and Commercial Gazette.

LONDON, JUNE 9, 1866.

The Board of Trade returns, for the four months ending April 30, continue to show the extraordinary increase of business which is now being carried on in our exports, compared with the corresponding period of last year. The total for the period mentioned is 62,357,579\(leq), whereas in 1865 the aggregate was only 47,706,818\(leq), giving, consequently, an excess of 14,650,761\(leq), which is cqual to a total value for the twelve months of no less than 187,072,737\(leq), and an excess of 43,952,283\(leq).

In only three items connected with mining is there a decrease in comparison with last year, amounting collectively to 844,408\(leq), which, being deducted from the total increase in the other heads, gives a balance excess of 1,153,306\(leq), or equal to 3,459,918\(leq) for the year. The total declared value for four months of 1866 is 10,837,039\(leq), against 9,673,733\(leq). in 1865. The articles of decrease are machinery, to the extent of 434,416\(leq).

clared value for four months of 1866 is 10,837,039\(^L\), against 9,673,733\(^L\), in 1865. The articles of decrease are machinery, to the extent of 434,416\(^L\); copper, 388,286\(^L\); and tin unwrought, 21,706\(^L\). The increase consists of iron, to the extent of 1,136,399\(^L\); tin-plates, 218,489\(^L\); coals and culm, 214,219\(^L\); hardwares and cullery, 165,958\(^L\); steel, 151,821\(^L\); lead, 91,421\(^L\); zinc, 18,259\(^L\); and brass, 6148\(^L\). The dealings in the precious metals and bullion give the balance in favour of the imports. We sent away 4,882,213\(^L\), and received 5,750,043\(^L\), being an excess to the credit of this country of 867,830\(^L\), the excess of exports over imports being 4,220,186\(^L\), and the excess of imports over exports 5,088,016\(^L\), the former being made up from three places—Egypt in transit to India, France, and Brazil, as given in the tabular statement in another column. The imports consisted of 3,145,749\(^L\) in gold, and in transit to india, France, and Brazil, as given in the tabular statement in another column. The imports consisted of 3,145,749l. in gold, and 2,604,294l. in silver, while the exports were made up of 1,877,463l. in gold, and 3,004,750l. in silver, so that there was a benefit of 1,268,286l. in gold—a matter of material moment in the present state of reviving confidence in the money market. confidence in the money market.

#### SELECT COMMITTEE ON MINES.

The subjoined diagram shows the system of working referred to in the evidence given by Mr. DICKINSON, on May 29, reported in last week's Journal. Fig. 1:—System of getting Coal by Bays used in Manchester District

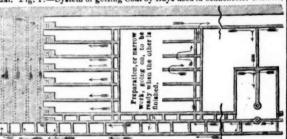
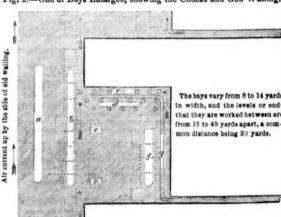


Fig. 2.-One of Bays Enlarged, showing the Chocks and Gob Walling.



In the original diagram, the following words are written in the spaces marked:—a old workings, coal all got; b, old gob walling in the former bays; c, chocks; d, tem porary props; c, c, wall; f, new gob walling; c, tramroad; h, wagon road; f, water level The chocks are usually built of hard wood, 2 ft. long, by 6 in, aquare.

# House of Commons, June 1-4.

HOUSE OF COMMON, JUNE 1-4.

Present: Mr. NEATE (in the chair), Mr. LIDDELL, Sir P. DE GREY EGERTON, Mr. KINNAIRD, Professor FAWCETT, Mr. W. O. FOSTER, Mr. GRENALL, Mr. WOODS, and Mr. HUSSEY VIVIAN.

Mr. RALPH MOORE said—I am an Inspector of Mines under the Act for the Eastern District of Scotland. I have filled that office four years. Before that I was a colliery manager and mining engineer, principally in the Glasgow district. I understand English modes of working, and the management of the men. In 1864 I sent a circular to the employers as to the ages of their boys, and I found from their returns that there were but few hetween the ages of 10 and 12—about 244 while the number of work. few between the ages of 10 and 12—about 244, while the number of work-men is 21,150. The returns stated that they did not employ any unti-they were 12, or unless they could read and write. It is understood that there should be certificates. The boys under 14 are employed by the masters as trappers, which is not hard work, but boys under that age are mostly employed by the workmen themselves in drawing coals, which is hard work. Workmen are allowed to employ other children besides their own. On the whole, I do not think the boys too hard worked, but they are not fit to go to achool after it; besides, there is the distance they would have to go; and, milke boys in other trades, they would have to be washed all over, and change their clothes. If a boy has a certificate of being able

the distance they would have to go; and, unlike boys in other traces, they would have to be washed all over, and change their clothes. If a boy has a certificate of being able to read he is not bound to attend school any more under the Act, and I scarcely see how a boy is to be educated at all if he cannot read before he is 10 years old. You could not interfere with the hours worked in the plt. I agree with Mr. Dickinson as to the difficulties attending any plan of relays of boys. There are in some mines relays of workmen, but they are paid so much a ton for the work, which in Sectiand we call "putout" work. What we call "uncost men" are men who are employed otherwise than in hewing coals. The men being paid by the piece can work as many hours as they please, but the boys hesides the danger that would be incurred by their riding up and down the plt. I heard what Mr. Dickinson said, and I agree with him that it would be a very great injustice to these honest people to prohibit women from working on the plt's bank. By General Durkin: There are about 866 boys between the ages of 12 and 14 in my district. Women are only employed at the plt's bank—never below.

By Mr. FOSTER: Relays of men in the collery districts are an exception. The common practice is that there is no ascending and descending of men during the day's work. By Mr. LIDDELL: The maters are generally opposed to employing boys under 12 at all, but they are employed through the workmen taking them in unknown to the masters. If the employment of boys were prohibited by law, there would be objection made to that on the part of the parents. I see statements made in the petition of miners that they desire such a thing, but it is not wanted generally by the colliers themselves. Any colliers that I have spoken to about it are indifferent. Boys employed as trappers earn they desire such a thing, but it is not wonted generally by the colliers that he of collers takes his son with him, if he is a boy of 14, he puts out more than 1s, worth of cost. Thus, supposin

do. LIDDELL: We have a complaint on the part of the men as to the employment of en—that is to say, of boys under 12—and they want further legislation to stop

that; but now I understand from you that the employment of these boys is discouraged by the masters, but encouraged by the men? — That is the state of the case.

Mr. LIDDELL: And that there are trade restrictions—actual laws framed amongst the men themselves by which the employment of boys is absolutely encouraged?—To un are right in that. My opinion is that boys under I? should not be allowed to go down the pit at all. When 12, I do not see that the men have any cause to say anything about it; but it rests entirely with the workmen, and not with the masters.

Mr. LIDDELL: But is there not something which it almost seems to require legislation to prohibit when we find these arbitrary restrictions being imposed by one set of workmen on another set of workmen? — I do not see how it can be prohibited. If the workmen agree to work only a certain quantity of coal they will do no more. In the Wishaw district, until six or eight months ago, the coiliers used to put out 3 ton a gray of the continuation of the same wage as they had for 4 tons. That has had the effect of raising the price of coal considerably—from 50 to 70 per cent.

Mr. GREENALL: I gather from your evidence that, with regard to the evils mentioned in the petition, and of which the men complain, the remedies are almost entirely in the hands of the miners themselves? ——They are entirely in the hands of the miners themselves? —They are entirely in the hands of the miners themselves? —They are entirely in the hands of the miners themselves? —They are entirely in the hands of the miners themselves? They are entirely in the hands of the miners themselves? They are entirely in the hands of the miners themselves? They are entirely in the hands of the miners themselves? They are entirely in the hands of the miners themselves? They are entirely in the hands of the miners themselves. It is entirely a workman's question, and not a master's question at all.

By the Chairman I do not know that there is any Trades Union rule as to boys; it is an understanding. Suppose

Mr. Moore was then recalled, and examined as to ventilation: The first Mr. Moore was then recalled, and examined as to ventilation: The first rale is a very good one. I do not know any sufficient reason why the words "under ordinary circumstances" should be objected to. I understand "ordinary circumstances" to mean the ventilation at all times; but if a fail took place in an air-course, by which the ventilation would be delayed for a day, that would not come under "ordinary circumstances." I have had no case wherein I have advised the penalties to be enforced for neglect of the first general rule. In my last report there is only one death from fire-damp, but we have a good deal of it in Lanarkshire. Black damp is very injurious to health, and in some of the mines the workings are not so well ventilated as they might be, but they keep within the first general rule. I have been called upon to visit mines on account of the prevalence of choke-damp, but never have been able to advise a prosecution. I agree with what Mr. Dickinson said as to the duty of inspectors. It is, however, my practice to go down pitsepontaneously, to see if the Act is properly carried out. I would not make the Inspector responsible for anything - that could not be done without making him the master in reality. All responsibility as to ventilation ought to rest upon the owners.

rest upon the owners.

By Mr. Greenalt: My district is a pretty large one, but I am able to comply with y instructions as to the amount of inspection necessary. I have had complaints from orkmen occasionally, and have gone down to see if a remedy was required; but I go

workmen occasionally, and have gone down to see in a temporal down workmen occasionally, and have gone down to see in a temporal down woluntarily.

By Mr. Liddell: I do not think that any special examination as to fitness is requisite for fremen. Their duty is quite mechanical. There is no difficulty in detecting fire-damp, and all that is required are steady, conscientious men. It is generally not from wanted skill but of care that accidents happen. Their duties are defined in the special rules. I do not consider a system of examination would secure a better class of fremen than the special duty of the special rules. I do not consider a system of examination would secure a better class of fremen than

and in that is required are successfy, consecutions mea. It is generally not from want or skill but of care that accidents happen. Their duties are defined in the special rules. I do not consider a system of examination would secure a better class of firemen than those now employed.

By Mr. Woods: The present Mines Inspection Act has been most beneficial, and one cause of that is that it distributed the responsibily, by the general and special rules, over all persons employed in and connected with the mines. There might be further special rules which would better define the duties of the men.

By the CKAIMMAN: I wrote a small work on ventilation, for the use of the overmen. I concluded it by saying—"I am satisfied if due attention be paid to the suggestions above noted, and especially to sufficient area of air-courses, that mines in Scotland would be adequately ventilated, and explosions rendered almost impossible." My suggestions have been brought to the knowledge of the managers and owners, and have been followed with good results. I said—"No air-course should be less than 16 ft. area at any part," and that is generally compiled with in all well-ventilated collieries. I should say those collieries in which it is not complied with are not well ventilated. I hope by-and-bye to get a rule introduced into the special rules that there shall be a minimum size of air-course, which would be a great benest. I should put the minimum 29 square feet for thin mines, and certainly not less than 16 ft. for mines of 4½ ft. thickness. I find a general disposition to conform to my suggestions, but there are still some badly ventilated mines in my district. They are generally oid pits, and great allowances must be made for them. Another of my suggestions is that the upcast shaft should be 20 ft. in area, but that would be no use unless the air-courses which came up to it are also large. The Act of 1862 requiring a double shaft is generally compiled with, but not in all instances. I report such cases to the Lord Advocate. When a

each colliery.

By the CHARRMAN: I no not wish for any general law forbidding the use of the upcast
shaft for according and descending—that should be left to the manager. I never feit
any inconvenience myself. Going to and fro from their work underground is a serious
addition to the labour of the men, and they always prefer the nearest shaft, whether up-

cast or downcast.

The CMAIDMAN examined the witness as to each ease of accident mentioned in his last.
The CMAIDMAN examined the witness as to each ease of accident mentioned in his last report.—The great danger in his district was from falls of roof. It is not a subject, nowaver, on which legislation is needed. The special rules alone attered at any time. Any suggestions that I might make now as to the special rules I could make to the

Any suggestions that I might make now as to the special rules I could make to the owners themselves.

By Sir P. Ecshron: It does not follow that my suggestions would be attended to, but then I could arbitrate. I arm doing so just now. I want a fireman to go through the Clackmannan Colliery before the men enter, to see there is no cohoke-damp, and that the working faces are safe, and the proprietor says there is no necessity for it. The result of my prevailing in the arbitration would be the introduction of a special rule requiring that. There is no rule just now binding the owner to have a fireman to go round the workings every morning, and I want to make one.

By Mr. LIDDELE: The owners object, I think, parily to avoid responsibility. The lat special rule is that before going to work coillers shall satisfy themselves of the safety of the working places.

a working places.

Mr. Greenall: The workmen did not suggest the alteration—it was might over

By Mr. Woops: I have been deterred from going to arbitration by the mode in which the arbitrator is appointed. The owner of the mine to be arbitrated upon names five persons, and the Secretary of State must take one of the five. He delegates the choice to me. It would be better for the coal owner to appoint one, and the Home Secretary another, and they two to nominate an umpire. The five persons selected in the case now arbitrating were two mining engineers, a coal master, and two managers. I chose one of the mining engineers. I think the present law does not give the Inspector a fair chance, and should be altered. Perhaps i may here mention the special rules to which I object are these:—"1. Before beginning to work, coiliers should satisfy themselves concerning the antary of their working places.—2. If while at work, or at any other time, coiliers shall discover or be informed of the existence of any obstraction in the ventilation, or stagnation, or impurity in the air of the coiliery, or of the existence of any defect in the wails, roofs, or any other parts thereof, they shall be bound, without undus delay, to give information of the circumstance to the underground manager or to the principal roadsman or other person in charge of the coiliery for the time, so that these defects may be remedied, and danger therefrom averted. Coiliers are expressly forbidden to go into or improperly near the place throughout the whole coiliery where danger is known or suspected to exist." I suggest, instead of those, these three special rules:—"1. Coiliers are expressly forbidden to proceed towards or into their working places at the commencement of any shift until it shall have been intimated to them by the fireman, or underground manager, or other person acting as such for the time, that the working places have been examined, and are apparently safe to be entered.—2. Till such intimation of the apparent safety of the working places shall have been made, coiliers shall remain either at the pit-head, or at some other place assi gnt. By Mr. Woops: I have been deterred from going to arbitration by the mode in which he arbitrator is appointed. The owner of the mine to be arbitrated upon names five

rule, as to places of refuge, is pretty well attended to. Where there have been deviations from the law they have not been very flagrant.

Mr. Fourten: We have had a statement made by Mr. McDonald that he had just reported a case to you in which three boys, helping their father, were kept down a pit intreedays and three nights consecutively, and that one was under 10 years of age, did you visit that pit?— I did, and I found the man, whose name is Lachian Shelley (not Machlachlan, as stated in our impression of May 19), but only two boys, Thomas and Patrick, both of whom were over the legal age; and that being so, I had nothing to do with them. I asked if there was a third boy, and Shelley said he had had a third boy down the pit, but that he had never worked, and had come there simply as company for his brothers.

The following sitting of the committee (June 4) was a very brief one—
almost pro forma only. Mr. Dickinson was recalled, and gave some explanations of his evidence, published in our last; and then Mr. M. DONALD,
at his own request, made a statement reiterating his former testimony as to Lachiar
Belley's three boys, and contradicting, on that point most positively, the evidence of

gnelley's three boys, and contrainting, on that point most positively, the evidence of Mr. Mooke.

By Mr. Foster: I remember an accident in mining at the works of Mr. R. Stewart, when a young man was crushed and killed on an incline for want of proper places of refuge. There were some places on that incline where they they were 25 yards apart. When I went down to examine into the causes of the accident, I may state, to show how little interest the work men take, that having gone through the workings, and examined the two colliers who had been working at the place, is all—"Now, have you anything to complain of, because I am here for the purpose of hearing complaints?" The reply was —"No, we have none." I asked—"Is there any place wrong, or have you any suggestions to make?" and again they replied in the negative. I asked whether they knew that they ought to have places of refuge, and they said they knew nothing about it. No system of inspection could provide for such cases unless the men communicated the absence of places of refuge.

that they ought to have places of refuge, and they said they knew nothing about it. No system of inspection could provide for such cases unless the men communicated the absence of places of refuge.

Mr. GREKRALL: A witness has stated that there are 1140 pits in Scotland, and only two Inspectors, and that it would take them two years to visit every pit; now, might not the Inspector be absolved from blame only on the ground that he has not time to do the work?—An Inspector is not expected to go through all the pits every year, or at any time, but he is to attend to complaints made to him, and to make what examinations he can. To expect him to know the state of every coiliery would make him responsible for every accident. If that were the case, the Inspector, in making out his report, would first have to protect or excuse himself, instead of making an impartial statement of the facts. The work which the Inspection Act contemplates being done is done; and we have fewer accidents in Scotland than in any other part of the kingdom. I often, however, inspect collieries without receiving any complaint about it, and I do not always give previous notice to the managers that I am coming. The complaints receive from the men are not numerous—I had six complaints in 1865. They were principally as to ventilation in the non-flery collieries. I have had complaints with regard to the employment of children contrary to the Act—perhaps three or four during the last four years. If I found a boy employed lliegally, either from being under age, or not able to read and write, and the master is ignorant, I Inform him, and the boy is generally put out; if not, I inform the Lord Advocate, and proceedings are taken. This has happened three or four times in the last four years, and in one case a penalty of 101, was inflicted. Boys are employed illegally, but no increased inspection would discover those case; it is a matter for the men tended to increase in spection would discover those case; it is a matter for the men the heads of the boy i

masters do all they can to prevent it. I do not think the Inspectors require the assistance of Sub-inspectors.

By the Chaiman: I have heard suggestions that managers of mines ought to have certificates of ability, like captains of ships, but the cases are not analogous. The captain goes away for months, but a manager is daily looked after both by the workmen and others. He requires to know how to manage men as well as to have scientific knowledge, and to be a person of tact, of great common sense, firmness, and kindness; and I do not see how any examination could go into qualifications of that kind. The power of granting, suspending, or recalling such a certificate would not induce a stricter observance of the Act of Parliament; that is botter done by the facility with which the men can now get compensation by law if the rules are broken.

Mr. Ghernall: A whiness has stated that you may know a boy belonging to the mine by his being twisted and stanted in growth and in his joints, but I understand you to say to the contrary?——I have never seen such a case. A company of the Lochgelly volunteers, composed of miners, were praised the other day for their smart appearance. By General Dunne: in my district the women employed are—in Lanarkshire, 46; in Sitriingshire, 50; in Edinburgshire, 3; and in Fife, 162. The women are decently dressed, and there is nothing at all requisive in their appearance when at work on the pit's bank; and it would be a hard thing if they were to be denied the privilege of work-ing if they whan it. It would be particularly hard in Fifeshire, where there are no factories near to give them other employment.

Ry the Causanan: I am not able to state anything about the truck system. excent

tories near to give them other employment.

By the CMARMAN: I am not able to state anything about the truck system, except from hearsay, and have no evidence to offer on the subject.

The Committee then adjourned.

#### FOREIGN MINING AND METALLURGY.

FOREIGN MINING AND METALLURGY.

The adverse influences of the moment have made themselves more strongly felt in the different coal mining groups of Belgium, and former prices have been no longer sustained. At Liége much regret is expressed that lines from Spa to the frontier, and from the Ourthe, are not yet completely established; if they had been in operation, it is believed that the Belgian collieries would have been able to profit to a considerable extent from the crisis which the working of the Saarbruck basins is at present sustaining, an extreme searcity of labour having been experienced in the last-mand district, so that the extraction has been almost completely stopped. At Charleroi freights have displayed a decidedly downward tendency: a quotation of 8a, per ton for Paris has been accepted for recent deliveries, but as transports generally make default a fail is inevitable. The position of the Beigian fron trade becomes every week more embarrassed; most of the works are beginning to arrive at the close of their old orders, and it has, consequently, become necessary to procure fresh orders on any terms. The state of current affairs in Europe has aiready compelled some great industrials to seek entirely new outlets. Attempts have been made to treat with New York direct, and a representative of a great Beigian house will be appointed, it is stated, to reside there permanently. Following the same order of ideas, the Montingy Company has accepted during the last few days a contract for Bombay, of which in ordinary times it would certainly not have thought. It is readily admitted, however, that these orders can never be otherwise than exceptional in presence of the company has completed sond being in forgemasters may, then, on the whole, be said to be growing more and more grave every day. It is still extremely difficult to prepare a price current for iderurgical products. The affairs to which allusion has been made have been concluded on the basis of 61. 16s. per ton (rolled iron and rails); but in some tr The adverse influences of the moment have made themselves more

The Bleyberg Mining Company has just held its annual meeting. The first part of the report was devoted to an examination of the position of the company from a technical point of view—that is, to a statement of the position of the several beds, the state of the works, the continuation of exploratory works, &c. From the information thus afroded, it appeared that if the anticipations of the directors are realised, and if no unforescen circumstance intervenes, the future of the company is likely to be at least as good as its past. The extraction during 1885 amounted to 2141 tons of blende, and 4234 tons of galena and alquifoux; the strength in zinc of the blende was 40 54 per cent., and that of the galena 89 per cent. of lead, plus 147 arammes of silver per ton. These totals were below those of 1864, and coupled with the advance in the price of combustible they produced a sensible diminution (61364,) in the profits. The profit derived from working properly, so called in 1865, was, however, 45,8314., reduced by various redemptions, &c., to 40,2437. To this sum there might have been added 11,9004. the profit derived from the realisation, at a premium of 225 shares of the company subscribed for at the rate of 804, each. This extraordinary profit was, however, applied specially to the new works account. The previously indicated balance of profit, or 40,2444, was divided as follows:—7 per cent, to the directors, 2 per cent. to the commissaries, 3 per cent, to the newton's account. To the directors, 2 per cent. to the commissaries, 3 per cent, to the newton's account. To the order profit was, however, applied specially to the new works account. To the redemption fund, and the remaining 82 per cent. (or 33,0004,) to the shareholders. In conclusion, the report mentioned the truly remarkable fact that the shareholders have received during the last six years 150,2314, a sum equivalent to the redemption of the share capital of 110,0004, puls interest, at 6 per cent. Further, during the six years a sum of 69,8704. was applied,

mai and regular augmentation in the consumption. Or the 512,500 tons extracted, 500,600 tons were disposed of either in a natural condition, as coke or as agglomerates, or were finally consumed by the company itself. The production of agglomerates in 1865 was 119,700 tons, or 22,000 tons more than in the preceding year, and 49,400 tons more than in 1863. The company is now in a position to increase its production of agglomerates in 1865 was 119,700 tons, or 22,000 tons more than in the preceding year, and 49,400 tons more than in 1863. The company is now in a position to increase its production of agglomerates to 160,000 tons per annum, employing only washed coal for this purpose. Finally, thanks to plans matured long since and executed at a considerable sacrifice, the company can treat more than 250,000 tons annually in its washing establishments, and it is thus in a position to respond to the most varied requirements of consumption, as well at home as abroad. The rough profit of 1865 amounted to 85,3281, or 47031, in excess of the profit obtained in 1864. After deducting from this sum 12,4241, or redemption of capital engaged in works and ioan charges, together with a sum of 36191, applied to the statutory reserve, there still remained a disposable profit of 68,7641, or 53841, more than in 1864. The cause of this amelioration was, to a great extent, the sensible reduction which took place last year in the coal cytic price per ton of the coal extracted. The outlay made by the company last year in new works of various kinds was 10,3711., while in 1864 the corresponding amount was 13,2304. The diminution effected last year in the working expenses was certainly remarkable, but it cannot be hoped that these expenses will continue to exhibit a progressive decline, as an establishment like that of Grand' Combe, which declares to keep itself at courant with progress, and to be substin competition, must necessarily provide for all works and all improvements rendered characteris. The declares to the provide for all wor

pared with 113,000 tons in 1864, showing an augmentation of 4300 tons. The sale of the

company's coke remained stationary—16,200 tons. The sale of aggiomerates produced only 831. last year.

There has been a slight revival in copper at Parls. English has made 861, and rough Chilian 831, per ton.

A considerable relative animation has prevailed on the Havre market.

Chilian has maintained itself in a state of sustained transactions, at the chief of sustained transactions. 86L and rough Chilian 83L per ton. A considerable relative animation has prevailed on the Havre market. Chilian has maintained itself in a favourable position, and has been the object of sustained transactions, at advancing prices; disposeable has been the object of sustained transactions, at advancing prices; disposeable has been dealt in at 83L 10s. to 84L 10s. and lots with fature delivery at 88L 18t. to 86L per ton, according to the periods of delivery. On the German markets the state of affairs remains the same, the article being quoted generally at former rates. At Amsterdam, Drontheim has made 55 fis.; English, 52 fis.; and Swedish, 53 fis. At Rotterdam the quotations have been—Drontheim, 68 fis.; North American, 68 fis.; and English, 56 fis. Havrequotations have been as follows:—Chilia and Peruvian in bars, 86L to 87L; Peruvian mineral (pure standard), 85L 10s. to 86L; United States (Battimore), 94L to 96L; Lake Superior, 100L to 129L; Maxican and Plata in bars, 74L to 76L: Russian, 94L to 96L; old yellow copper, 53L to 55L; red ditto, 79L to 80L; price, 72L to 76L. On the Dutch markets Bancatin remainsquiet, and no important affair has been noted. On the various German markets the article has been quiet, and without change; the demand, for the most part, is subordinate to the requirements of daily consumption. At Botterdam, Banca has made 45 fis.; Billiton, 44L fis.; and English, 45 fis. At Amsterdam the quotation for Banca has been 44L fis. to 45 fis. At Paris, Banca has made 81L; Detroit, 80L to 81L; and Peruvian, 66L, to 76L, per ton. As has been remarked in former reports, lead is the metal to which attention has been more particularly directed of late; the firmness previously noted is ansatined without difficulty, although, at the same time, there are few transactions to note, which must be especially attributed to the want of stocks. It is on the German markets that the article has been under the most firm. At Paris transactions have been lomes infl., and prices have been nominal. At Rotterdam, 8

EXPORTS OF PIG AND PUDDLED IRON.-The value of the exports of pig and puddled iron from the United Kingdom has greatly increase as follows:

te years, as follows:-		71
1850 £348,074	1858	£1,084,170
1851 452,119	1859	901,927
1852 557,586	1860	974,065
1853	1861	1,044,304
1854	1862	1,303,641
1855	1863	1,287,968
1856	1864	1,412,352
1857	1865	1,591,063
or the first three months of this year	r the value of the pig	and puddled
on exported was 998 459/ as come		

iron exported was 298,452*l.*, as compared with 252,686*l.* in the corresponding period of 1865, and 256,639*l.* in 1864. The quantities of pig and puddled exported year by year since 1850 were as follows:—

1860 Tons 141,973 1858 Tons 363,143
1851 201,264 1859 316,376
1852 210,491 1860 342,556
1853 335,85 1861 388,004
1854 299,432 1862 444,708
1856 291,776 1863 466,423
1856. 357,382 1864 

82,925 tons in that of 1864.

82,925 tons in that of 1864.

THE TIN TRADE.—Under date Rotterdam, May 31, Mr. L. Th. vi M. Houten writes.—Throughout the present month tin has been unfavourably influenced by the monetary crisis and the political difficulties, yet these circumstances have not caused such a serious decline in prices as might have been expected. Banca, after advancing to 47% fl. in the early part of the month, subsequently declined to 44% fl, but has since recovered to 45 fl, buyers. In Billiton some sales were made at private terms. The position of Banca tin in Holland on May 31, according to the official returns of the Dutch Trading Company, were—

1866. 1865. 1865. 1865.

1867. 1868. 1868. 1868. 1868. 1868. 1869.

| manufacture and residence of |        |         |       |      |        |           |       |       |       |       |         |
|------------------------------|--------|---------|-------|------|--------|-----------|-------|-------|-------|-------|---------|
| EXPORT OF TIN                |        |         | March |      |        |           |       | Thre  | e moi | nths. |         |
|                              | 1866.  |         | 1865  |      | 1864.  |           | 1866. |       | 1865. |       | 1864.   |
| Germany Tons                 | 235    |         | 157   |      | 89     |           | 554   |       | 366   |       | 286     |
| Belgium                      |        |         |       |      |        |           | 142   |       | 88    |       | 89      |
| England                      |        |         |       |      | 24     | *******   | 62    |       | 50    |       | 107     |
| France                       | 91     |         | 93    |      | 19     |           | 197   |       | 166   |       | 64      |
| Hamburg                      | 29     |         | 15    |      | -      | *******   | 81    |       | 18    |       | -       |
| United States                |        |         |       |      | 10     |           | 126   |       | 26    |       | 15      |
| Other countries              | 27     | • • • • | 8     | **** | 10     | *******   | 37    |       | 12    |       | 19      |
|                              | _      |         |       |      | -      |           |       |       | _     |       | -       |
| Total                        | 485    |         | 337   |      | 168    |           | 1199  |       | 720   |       | 580     |
| According to the official    | returi | ns, tt  | e im  | port | of tin | for consu | mptle | on in | Fran  | ce h  | as been |
| IMPORT OF TIN                |        |         |       |      |        |           |       | Thre  | e mo  | nths. |         |
|                              | 1866.  |         | 1865  |      | 1864.  |           | 1866. |       | 1865. |       | 1864.   |
| EnglandTons                  | 162    |         | 265   |      | -      |           | 389   |       | 741   |       | 214     |
| Belgium                      | 2      |         |       |      | 1      | *******   | 2     |       | -     |       | 55      |
| Holland                      | 118    |         | 121   |      | 28     |           | 358   |       | 169   |       | 186     |
| Other countries              | 113    |         | 160   |      | 125    |           | 163   |       | 239   |       | 171     |
| Total                        | 395    |         | 546   |      | 154    |           | 912   |       | 1149  |       | 756     |

Under date June 4, Messrs. Von Dadelszen and North write-Tin has Under date June 4, Messrs, Von Dadelszen and North write—Tin has experienced a further fail of fully 51, per ton during the past month, under a continuous pressure to realise. The statistical position of the article does not improve, while every month brings us nearer to the autumn sale of Banca, the arrivals towards which have again been heavy. Stocks must be accumulating in the hands of English smelters, and they are evidently more inclined to compete with foreign holders. We have received about 2000 slabs Straits from America, and there is little chance of any demand for export hence to that quarter; while, owing to the stagnation of the tin-plate trade, consumption of tin must have failen off, and will do so more seriously during the next two months. On the other hand, we shall have no fresh arrivals from the East during the next two months, and prices are so low that they may probably attract the attention of speculators as soon as we have cheaper money and a greater inclination to operate generally; at any rate, as any further fail seems unlikely, the question is simply whether the probable rise will compensate for the loss of interest incurred in holding a heavy article like tin. We estimate the stock of tin in warehouse here at 3027 tone.

thoroughly dissolve the parafile, is used. The parafile is then allowed to crystallise, solidity, or deposit, which it does in a more or less purified condition. The free fused oit being drained off, or the parafile heing flashed out of the oit, any oil retained amongst the parafile is expressed or separated by means of an oil press. This process may be repeated as before until sufficient purify is obtained, and in the final stage of purification the traces or smell of fuse: oil may be driven off by volstilising it, or by washing with hot water, as before described. The fuse: oil when charged with the impurities of the crude parafile is tiself purified or renovated, so that it may be used over again by distilling it in the ordinary way at the temperature necessary to volatilise it, and by collecting it as it distills over in a cold receiver.

#### REPORT FROM SCOTLAND.

GLASGOW, JUNE 6.—A sudden arrest has been put on the recuperative disposition of the iron market by the lock-out in the shipbuilding and marine engineering works on the Clyde, and which will affect materially trades remotely connected with them. During the past week the Pig-Iron Market has been very languid, and the low prices carrent have not imparted any great vitality to the demand. The whole mining trades seem in a "fix," and one evil after another gathers hastily around them. seem in a "fix," and one ovil after another gathers hastily around them. "After darkness cometh dawn," so we must patiently wait for the light. The Pig-Iron Market has been heavy all the week, and next to no business has been done in warrants. Local banking houses are very shy in accepting iron scrip securities from even good houses, on account of the dearness of money, and the insecurity the late "rig" has engendered. This has the effect of bringing forward quantities of warrants, and if moneyed men could purchase and hold for a few months they would undoubtedly realise a good profit. The price has fluctuated little during the week, the difference of a few pence per ton including the widest range. For shipment the demand is getting slowly better, but the deliveries are nearly wholly from store. Up to yesterday the shipments of the week from the Scotch ports were 12,975 tons, as compared with 16,340 tons same week last year, which, with former deficiencies, makes the decrease on the year 65,528 tons. In Connal's store there is 400,282 tons, for which there are warrants in circulation to the extent of 447,010 tons, for which there are warrants in circulation to the extent of 447,010 tons. In the stores of the Canal Company there are 73,900 tons, and the warrants are for 64,833 tons. At Ardrossan the stock is only 6777 tons, and the warrants in circulation are for 2294 tons. The average prices

and the number of furnaces in blast at date are 137 against 134 in the same month of 1865. To-day the market is dull, and prices declined to 50s. 6d., but afterwards rallied, and at the close 51s. 3d. cash was paid,

50s. 6d., but afterwards rallied, and at the close 51s. 3d. cash was paid, with buyers over, and not much iron offering.

The Malleable Iron Trade has been further and seriously depressed by the lock-out on the Clyde, which, added to the paucity of orders which have been booked for a long time, makes the trade perfectly lifeless. The low price of pigs gave hopes and buoyancy to producers of bar-iron, but the action of the shipbuilders has dashed the cup from their lips, and matters are now worse than they were a month ago, some 1800 workmen having been discharged within a few weeks. The Nitshill Ironworks, which are capable of producing about 400 tons of finished iron a month, are offered for private sale; and at the great centre of production around Airdrie the dulness is unparalleled. The best makers are holding to their list price are capable of producing about 400 tons of finished from a month, are offered for private sale; and at the great centre of production around Airdrie the dulness is unparalleled. The best makers are holding to their list price of 8l, a ton, but the others are offering their bars at 7l. 10s. to 7l. 12s. 6d., and are booking only a limited number of orders. Some English houses, who had to withdraw their orders, owing to the high speculative prices which had to be paid during March and April, are beginning to reappear, and several enquiries, and one or two small orders have been booked at the reduction. As the prices are in favour of buyers, the reduced quotations are expected to attract good orders for the autumn, if political catastrophes do not interpose their paralysing influences.

Coals are firm, but quiet, and exports keep low. The diminution of consumption locally will have the effect of adding to stocks, which are very low, and are kept so by strikes and partial disarrangements. The colliers at Mr. Addie's pits, at Rosehall, continue on strike. They have 5s. maintenance money per week from the Union; and at a meeting, held in the vicinity, of delegates from several districts around it was resolved that every exerction should be made to increase the subscritions to the Rosehall men. With an inactive demand, it is not likely Mr. Addie will readily yield, so that the strike may be prolonged for some time to come. From

yield, so that the strike may be prolonged for some time to come. From the Scotch ports the shipments for the week just ended were 19,890 tons, against 35,450 tons in the same week last year. The people here are getting sick of strikes.

The unfortunate lock-out on the Clyde of the engineers and shipbuilders is not, unhappily, progressing to a settlement. To the number of hands out last week is to be added 1200 of Napier's men and 300 from the Clutha foundry. There have been numerous meetings of the men, and resolutions were passed voting sums to assist those willing to emigrate. Others were recommended to try parts in England and Ireland for work but no kind of compromise has emanated either from the employer or the employed of any consequence. An attempt to change the aspect of things has been made by the men, whereby they propose to accept of 57 hours' pay for 57 hours' work, on condition that the employers add 5 per cent. to their former wages; but 5 per cent. added to their weekly price is precisely the equivalent of three hours' labour. A private meeting of the employers was held yesterday afternoon, when the above proposition was discussed; and we have it on the best authority that they unanimously resolved to concede the reduction in the hours of labour craved, but negatived the request of the 5 per cent. advance, as the state of the contracts would not admit of their naving such an increase. Thus matters stand would not admit of their paying such an increase. Thus matters stand, and we believe the sooner the men go back on their old terms the better for themselves and those depending on them for sustenance, as the masters, we are informed, will not speedily resile from this proposition.

## REPORT FROM NORTHUMBERLAND AND DURHAM.

June 7 .- The Coal and Coke Trades here continue good on the whole JUNE 7.—The Coal and Coke Frades here continue good on the whole, at any rate the prevailing feeling which appears to pervade commerce generally has not affected those trades much as yet. The commercial panic has certainly very generally extended itself, and exerted a most baneful influence; the various extensive manufacturers and others on the Tyno appear to be suffering from this panic to a most unnecessary extent, and they seem to be depressed to such a degree that workmen are being discharged not so much from a warner of orders as from the fearthst orders. and they seem to be depressed to such a degree that workmen are being discharged, not so much from a want of orders as from the fear that orders will not be forthcoming in future. It cannot be said that there is a great dearth of orders as yet, but for the moment the panic has had the effect described. It is hoped, however, that this will not be of long continuance, although the state of affairs on the Continent must exercise considerable influence. A state of war would most certainly be better than the present state of suspense. At any rate, the coal and iron trades are pretty certain to proceed much as usual. Actual war would, indeed, increase the demand for and raise the price of steam coal to a considerable extent.

A lecture was given by Mr. G. F. Ansell, of the Royal Mint, on Saturday, before the members of the Northern Institute of Mining Engineers and others in the lecture-room of the Literary and Philosophical Society, at which Mr. T. E. Forster presided. The object of the lecture was to explain the various inventions he (Mr. Ansell) has made for the purpose of detecting the presence of fire-damp in mines. Those inventions have been often described in the Journal, and they are of a very ingenious character, and also calculated ultimately to be of much use in mines. Mr. Ansell

and also calculated ultimately to be of much use in mines. Mr. Ansell does not aim at superseding the use of the Davy Lamp for detecting explosive gas, but to provide a more subtle and precise Indicator thereof. The Davy Lamp has, during the last ten or dozen years, been considered guide for the practical man in detecting the presence of that time the critical examination of a candle was mu on, but it must be recollected that by either or both these methods the presence of gas can be detected, but the amount can only be guessed at; and it is here that the great merit of Mr. Ansell's invention will be found, for it not only shows the presence of gas, but the exact amount per cent. This it indicates most accurately, and it must, therefore, prove of great advantage to the scientific and practical miner. But Mr. Ansell carries his investion, even further than this for he showed accurate mean further than this for he showed accurate mean further than the for he showed accurate mean further than the for he showed accurate means for contriving vantage to the scientific and practical miner. But Mr. Ansell carries his invention even further than this, for he showed an instrument so contrived as to work an alarum when dangerous gases are in the neighbourhood, certainly a most ingenious application of his principles. Mr. Daglish enquired if time had to be considered in the use of the ancroid barometer, and Mr. Ansell replied that it should be held 45 seconds. The Chairman proposed a vote of thanks to the lecturer, which, having been seconded by Mr. Daglish, was carried. The instruments exhibited had been manu-

Arr. Dagiss, was carried. The instruments exhibited had been manufactured by Messrs. Marratt and Short, of King William-street, Londou.

The opinion appears to be gaining ground here that the ingenious Chain Pump of Mr. Bastier has something about it worthy of notice. Its continued direct action, instead of reciprocating, is a great advantage, as well

as the general simplicity of the arrangements; it is a most remarkable and original invention, and it appears to be well worth a trial on a larger scale than it has yet been subjected to, and this is the only process by which its merits can be tested, and it seems probable that such a trial will shortly be made, as it has just been brought prominently before the North of England Institute of Mining Engineers, and a statement made that work which costs 25s, with the common pump is done for 12s, 8d, by Bastier's pump. Mr. Greener's paper upon it will be found in another column.

#### REPORT FROM DERBYSHIRE AND YORKSHIRE.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

June 7.—There is no alteration worthy of note in the state of the Iron and Coal Trades of North Derbyshire. The enquiry for iron pipes, plates, and bars continues much the same as it has been for the last two or three months, and the business generally is in a very healthy state. The demand for coal is good, and a full average tonnage is being taken from the district by the Midland. One or two collieries which have been in course of construction are now nearly ready for drawing, so that the vast mineral wealth of the locality promises to be rapidly developed. One of the great drawbacks, however, not only in the neighbourhood alluded to, but in many others, is the want of house accommodation for the workpeople. The trade in Sheffield is by no means so good as it has been, the present state of the Continent, and the uncertainty as to the course which will be taken by the United States Legislature with regard to the proposed rectification of the duties on iron goods, tends to cause a falling off in business. The only branch of the trade which keeps up is the heavy armour and other plate rolling. Should the war be speedily commenced, there can be no doubt but such makers as Brown and Co. (Limited) and Cammell and Co. will be well provided with orders. At Rotherham and Parkgate a fair business is being done; at the former place the stovegrate trade is tolerably active. At Milton and Elsecar there is little or no change, business being quiet, although there appears plenty of work for the puddlers now engaged, many having left during the last three or four months. At the extensive ironstone field on the Lincolnshire side of the Trent there is a large quantity of iron being turned out, and the Frodingsham Company have put another of their furnages into blast. The the Trent there is a large quantity of iron being turned out, and the Fredingham Company have put another of their furnaces into blast. The

dingham Company have put another of their furnaces into blast. The railway company are also taking a heavy tonnage of the ore into the various iron-making establishments in Leeds, South Yorkshire, and Derbyshire. The demand for steam coal from the principal collieries in the South Yorkshire district continues good, and masters are kept well up in orders from nearly all parts of the country, whilst the export trade to the North of Europe from the ports of Hull and Grimsby is now more than an average, and bids fair to become very large indeed. The Silkstone collieries are in full work, a large proportion of the coal raised finding its way to the metropolitan and southern markets for household purposes, whilst the nuts are sent into Lancashire, and other parts of the kingdom, for gasmaking purposes. All the small coal made in the district, and which a few years ago was not worth the trouble of raising, now finds ready marfew years ago was not worth the trouble of raising, now finds ready mar-kets at remunerative prices; indeed, the demand for slack and smudge so far exceeds the power of supply, that orders to almost any extent could be obtained from works in various places in Lancashire, and other parts of the country, for what was formerly looked upon as nearly waste, but which is now used for engine purposes and the making of coke. At the rapidly-increasing works of Messrs. Cammell and Co. (Limited), at Penistone, the greatest activity is displayed, the output of Bessemer steel cranks steel rails, locomotive wheels, &c., being very large, whilst the works are

largely extended on all sides.

een 500 and 600 men have turned out on strike at the Rotherham. Between 500 and 600 men have turned out on strike at the Kotherham, Holmes, and Masboro' Coal Company's Low Ground pit. Only a few months since an application was made by the employes for an advance of wages, on the ground that the requested increase would only place them on an equal footing with the remainder of the miners of the South Yorkshire district. Although the demands of the men were not fully acceded shire district. Although the demands of the men were not fully acceded to, the masters did make some concessions, and, furthermore, in notifying their intended changes, the manager issued an elaborately worked-out statement showing the reasonablences of the offer. For some time past there has been disagreement among the men, owing to the refusal of some of them to join the South Yorkshire Miners' Association. Until now, however, there has been no regularly organised coercive movement. As the whole of the turn-outs have left without giving proper notice, it is not improbable that some of them may be brought before the magistrates for unlawful neglect of work, should they persist in remaining out and retaining their present attitude. It is not probable that the men may go in again speedily; but if not, prompt measures are likely to be adopted in bringing to justice those who have thus violated their agreement.

The trade in the neighbourhood of Middlesbro' is by no means so good as it has been owing in a great measure to the present state of the money market and

The trade in the neighbourhood of Middlesbro' is by no means so good as the been, owing in a great measure to the present state of the money market and general financial depression. Sellers are by no means solicitous in booking orders, but feel inclined to wait, in the hope of the passing away of the present state of uncertainty which characterises most of the important branches of industry of the country. Although the home trade is quiet, there is rather more doing for exportation. One of the furnaces belonging to Measure. Swan, Coates, and Co., at Cargo Fleet, is now in operation; their first tapping has been made, and the quantity and quality of the iron made, and now under full blast, has proved highly satisfactory. The fire has been it for some time in their other furnace, and it is expected to be in operation in the course of next week. The iron market, on Wednesday, as might be expected, was very quiet, the prices being for warrants—Buyers, 45s, 9d.; sellers, 46s, 9d. cash; No. 1, 52s, 6d.; No. 3, 49s, 6d.; No. 4, 48s, 6d.

In most pasts of Lancashire trade canactally is good, there heing release.

parts of Lancashire trade generally is good, there being plenty In most parts of Lancashire trade generally is good, there being plenty of work at this engine and machine establishments, as well as at the various locomotive works. This state of things, however, does not apply to Liverpool, whose bosiness is not by any means brisk. The strike at the Mersey Steel and Ironworks continues, and seriously disarranges the ordinary progress of trade. The conduct of the men on atrike has been such as to call for magisterial intervention. On Tuesday, Mr. Clay, the managing director of the works, applied for summoness against several men for intimidating those at present employed by the firm. In making this application, Mr. Clay stated that they had been compelled to obtain a large number of workmen from Starfordshire to take the places of those men who had recently left. Those men, and others connected with them, were in the habit of assembling near to the works, and by threat and other means of intimidation sought to prevent them from going to work. The magistrate at once granted summoness against the men complained of.

THE DEVONSHIRE SILKSTONE COAL COMPANY (Limited) .- On Saturday about 30 of the shareholders in this company assembled at the scene of operations, Sheepbridge, near Chesterfield, for the purpose of inspecting the works, and for friendly intercourse. Several gentlemen descended the shaft, and inspected the workings below, while others devoted their attention to an examination of the engines, buildings, and offices above ground. The company leased the royalty, extending over 800 acres of land, in January, 1864. The first sod was cut in the May following. The shafts January, 1864. The first sod was cut in the May following. The shafts sunk are two in number—the one for the pumping-engine being 13 ft. 2 in. in diameter, and the other, for the drawing of the coal, 12 ft. The first was walled and finished in November, 1865, and the latter in May of the present year. Coal was won at a depth of 163 yards, which was somewhat under the surveyor's estimate. The seam of coal which the company are about to work is locally termed the "Silkstone," or "Black Shale," and is identical with the Arley Mine of Lancashire, and the Low Moor "Better Bed" of Yorkshire. It is satisfactory to learn that the works have progressed to their present condition without loss of life or limb, indeed, without noticeable accident of any kind. The allotted capital of the company amounts to 30,000l. The coal has been won, and the works constructed to their present advanced condition for less than 14,000l. The shares are, consequently, at from 2l. to 3l. premium. The inspection appeared to give the fullest satisfaction to all the gentlemen present. Speappeared to give the fullest satisfaction to all the gentlemen present. appeared to give the fullest satisfaction to all the gentlemen present. Specimens of the coal were examined, and pronounced by experienced miners to be of excellent quality, and to be especially well adapted to the making of gas and coke. The company proposes immediately to erect ovens for the manufacture of the latter article, and anticipates a good sale for it, especially in Sheffield and other neighbouring places. The coal is likewise considered to be admirably adapted to the metropolitan requirements wise considered to be admirably ample to so the seam, which exhibits three distinct qualities of coal, is 57 inches. In the evening, upwards of 20 gentlemen dined together, at the Shakspere Inn, Buxton, the Chairman of the company, Mr. Lord, of Bury, presiding. Several speeches were de-livered, of a congratulatory character, and some interesting observations made by several speakers, respecting the probable duration of our coal nd the future destinies of Britain, in the event of the American neither and the ratife destines of Britain, in the event of the American and other nations successfully competing with it in the public markets of the world in the manufacture of iron and other articles of commerce, into which the consumption of coal largely entered.

#### WHAT CONSTITUTES A COAL MINE?

A case of considerable importance to the owners of coal and ironstone mines has been heard at Chesterfield, an information having been laid by Mr. Evans, the Government Inspector of Mines for the district, against Mr. W. Fowler (Sheepbridge Colliery Company), one of the proprietors of some ironstone mines in the parish of Whittington, for not having speof some ironstone mines in the parish of Whitingool, for not having special rules for the management of those mines under the provisions of the Mines Inspection Act. It was contended for the prosecution that the ironstone pit in question was a pit which came under the Mines Regulation Act of 1860, which raised several important points of law. The principal were—What constitutes a coal mine according to the meaning of the Act?

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Is it necessary that the coal should be of a workable thickness? Upon section of the Act and other question was raised, as to what constituted a connection—a mere trace of coal, or a seam of workable thickness? Another point raised was—Did an old coal shaft, filled up and re-opened to be worked as an iron mine, come under the meaning of the Act?

The case for the prosecution was ably argued by Mr. Busby, the defence being conducted by Mr. Vernon Blackburn (instructed by Messrs. Smith and Burlekin, of Sheffield). Mr. Busby explained that in the Coal Mines Inspection Act it was stated that the provisions of the Act for the Explaint of Coal Wines Inspection Act it was stated that the provision of the Act for the Explaint of Coal Wines Inspection and the Act of the State of the Coal Mines Inspection and the Act of the State of the Coal Mines with disused or exhausted coal mines, and all the works belonging thereto.\* The former enactions was confined to coal mines only, but by the Act just mentioned the worked in connection with classed or exhausted connection of the work of the Coal Mines worked in connection with the same of the Coal Mines of the Coal Mines of the Coal Mines worked in connection with the work worked in connection with the work of the Coal Mines of the C

#### REPORT FROM MONMOUTH AND SOUTH WALES.

 $J_{\rm UNE}$  7.—The tone of the Iron Trade of South Wales remains about the same as last reported, and unless orders come in more freely than they have during the past two or three weeks operations at several of the works will be interfered with. It is only owing to the fact that Welsh makers some time since were fortunate enough to secure several good foreign con-tracts that the mills and furnaces have been enabled to be kept going so tracts that the mills and furnaces have been enabled to be kept going so fairly during the present period of stagnation. The opinion is pretty generally entertained that towards the close of the quarter there will be a slight reaction for the better, in consequence of money becoming cheaper, which will induce buyers to enter the market with, at least, those contracts which require immediate attention. It is tolerably certain that anything like a material reduction in prices will not be conceded by makers, who, even at the prevailing rates, find it somewhat difficult to make specifications pay, with the cost of the raw material and the price of labour so high. Should the approaching quarter see a moderate amount of activity set in. Should the approaching quarter see a moderate amount of activity set in, there is not the slightest doubt but that the old list prices will again rule the trade. In the home market but few transactions have taken place, and in the foreign trade, taking it as a whole, there is no improvement to record. In some few cases business continues steady, as, for instance, with British North America, Russia, and the Baltic markets; whilst the advices received from New York are more satisfactory. There are some contracts under execution for India, but no change for the better has taken place in the enquiries from the East. Transactions with the markets of Sci the enquiries from the East. Transactions with the markets of Southern Europe are completely at a standstill. In pig-iron, trade is very flat, and a less quantity of the make of this district is forwarded to Staffordshire. a less quantity of the make of this district is forwarded to Staffordshire. Quotations remain without alteration. The Tin-Plate Trade is also extremely quiet, but the last American advices point to a somewhat better demand from that country, the continuance of which depends, in a great measure, on the effect the failures in this country will have at New York. Steam Coal proprietors are busy, and the foreign demand is on the increase. These remarks are also applicable to the inland trade. The prices for steam have an upward tendency. There is but a moderate demand for house coal, and no change has taken place in quotations. The men employed in the Rhondda and Aberdare Valleys have not proceeded further with the agitation for increased wages since the Rhondda meeting, and there are hopes that they will allow this demand to drop, as the proprietors have made up their minds not to comply with them.

With reference to the emigration of miners to America, and the scarcity of hands in the Welsh coal mines, where wages are much higher than in Cornwall, Mr. Warington W. Smyth writes as follows to the proprietor of a steam coal mine in the Aberdare Valley, Cardiff;—

"It is a matter of surprise to me that you should meet with any difficulty in obtain-

steam coal mine in the Aberdare Valley, Cardiff:—

"It is a matter of supprise to me that you should meet with any difficulty in obtaing plenty of men, when I see what high wages can be made in your pits. Why, it pays
young man better to cut coal with you than to be an officer in the army or navy, or to
a curate in a church; and, as you give your workings plenty of wind, what with
our furnaces and your great ventilating-machine, there is nothing to complain of with
spect to unhealthiness of occupation. There are thousands of good fellows in our tin
decoper mines who work hard, and often in very poor air, who would be glad enough
they could make but half of the amount which an industrious man is able to ensure
messif in some of your steam coal collieries."

himself in some of your steam coal collieries."

It is with regret we have to announce the suspension of the Dynevor Coal Company, Glamorganshire. The company's collieries are situated in the neighbourhood of Neath, and they employ a large number of hands. Fortunately for the neighbourhood, the works will not be stopped, as it is intended to carry them on under inspection. The liabilities of the company are reported to be

something considerable, but as the shareholders are well known to be wealthy, it is believed that the whole of the creditors will ventually be paid in full. Mr. J. H. Rowland and Mr. S. Gardner will be appointed inspectors on behalf of the creditors.

The announcement is also made of the suspension of Mr. Wright, of the Cadoxeter Colliery. The liabilities are not large.

In last week's Journal appeared the particulars of an explosion at the Cwmtillery Colliery, the property of the South Wales Colliery Company, by which John Bagnall lost his life. Since then his son, who was injured at the same time, has died. It was stated that a door in the heading had been left open by a haniler named Williams; although that was the opinion of many, it appears that there was no positive proof such was the case. The adjourned inquest on the body of the elder Bagnali was held last Tuesday, at which Mr. Lionel Brough, the Government Inspector of Mines, was present. After several witnesses had given their evidence, Mr. L. Brough said the general opinion was that the main door (made of canvas) of the main heading had been left open. He missisted that there ought to be two doors of wood in the place of one made of canvas. He was unable to arrive at any proof that the door had been actually left open, but either from that cause or from a leakage above, under, or around the sides of the canvas door, the air was partially cut off from the stalls, which became filled up with gas to the top of them, and the younger Bagnall going up to the working place with a naked light, flamed the gas and caused the explosion. After a long deliberation, the jury returned the following verdict:—"That John Bagnall died from the effects of turns from an explosion of gas at the Cwmtillery Pits, the said explosion being caused by the gross neglect of some person or persons leaving an air-door open; therefore, we return a verdict of maniaughter against some person or persons unknown."

A collier, named William Gamblett, aged 53, was killed on Saturday by a

by a fall of coal at Abercarn Colliery, the property of the Ebbw Yale Company (Limited). The deceased was found in a stooping posture, with his head jammed between the fall of coal and some timber. On the debris being removed it was discovered that life was extinct. There was a cut on the temple, and one of the legs and arms were broken. An inquest was held on the body on Monday, by Mr. W. H. Bremer, when the jury returned a verdict of "Accidental Death."—On the same day a couple of falls of the tops of stalls took place, by which two colliers, named George Garland and Daniel Davies, "The contract for a completion the Lordon and Note Monday by Charles Contract for a completion the Lordon and Note Monday by Charles Contract for a completion the Lordon and Note Monday Davies, "The contract for a completion the Lordon and Note Monday Davies."

were seriously injured.

The contract for supplying the London and North-Western Railway fompany with railway axies for the ensuing twelve months has been given to Messrs. Vinby Brothers, of the Atias Iron and Steel Works, Cardiff.

The arrivals at Swansea include—The Clementine, from Cherbourg.

with 56 tons of iron ore, for T. Waters. The Phillips Weyergange, from Palermo, with 56 tons of iron ore, for T. Waters. The Phillips Weyergange, from Palermo, with 180 tons of brimstone, to order. The Robert Nicoli, from Bilbon, with 231 tons of iron ore, for W. H. Tucker. The Victore, from Camillias, with 140 tons of zinc ore, to order. The Governor, from Caidera, with 490 tons of siver ore, for H. Bath and Sons.

The Demosthenes, from Adra, with 360 tons of zinc ore, to order. The Fairy, from Cagilari, with 598 tons of lead ore, for H. Bath and Sons.

THE COALROOKDALE COMPANY .- It is stated that certain changes of considerable importance have been made in the superintendence of the extensive works of the Coalbrookdale Company. At the Horsehayes, the superintendence of the furpaces only have been placed under the supervision of Mr. N. Wilkes; Mr. G. Norris takes the general superintendence there. The Tower Forge, the Lightmoor Brickworks, the farm, and the mines at Broseley, are consigned to the supervision of Mr. J. Fox; while Mr. C. Crookes takes the management of the foundry at Coalbrookdale.

#### REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

JUNE 7.—The Iron Trade in both districts of this county is very flat. Very few orders are received, and at few of the works is there much more than half the usual amount of iron being produced. Pig-Iron has generally been sold for a month in advance of the present time, so that there has not been any necessity to press sales, but a disposition is manifested to yield in price if the purchasers could be found. At the present time, however, transactions are few, if any. By the end of the month, when the Preliminary Meeting will be held, it is possible that a elearer estimate may be formed of the prospects of the trade. The failure of the Agra and Masterman's Bank, it is to be feared, will have a very prejudicial effect on the trade, as India is a most important market, and it is certain that such a collapse must for some time interrupt commercial transactions with that country. The failure of Messrs. Woodhall and Warrington, ironmasters, of Dudley, is reported, with liabilities amounting to 15,000L, and another small failure is also announced.

The Hardware Trades are quiet, but as yet the manufacturers are, on the whole, fairly employed, and these trades appear sound, no bad debts

the whole, fairly employed, and these trades appear sound, no bad debts being advised, so far as stated. Probably the failure of the bank noticed above will affect the trade with the East Indies for some time, until other means of transmitting money can be found, and its creditors shall recover

possession of their balances.

The question of liability of the manager or his deputy, or the charter-master or his deputy, to enforce proper provision for preventing falls in mining operations, again came before Mr. Isanc Spooner, stipendiary magistrate, on Monday, at Sedgley. It may be remembered that Mr. Spooner decided in a case recently that the responsibility under the special rule as to propping the roof, &c., was met, so far as the chartermaster was concerned, by his providing timber, and did not extend to enforcing its use. Mr. Baker, the Inspector of Mines, not accepting this decision, brought The question of liability of the manager or his deputy, or the charterto propping the roof, &c., was met, so far as the chartermaster was concerned, by his providing timber, and did not extend to enforcing its use. Mr. Baker, the Inspector of Mines, not accepting this decision, brought forward a case a second time at Sedgley last Monday, in which the defendant was James Stevenson, who had charge of the working of the Tile House Colliery, Kingswinford, where two persons were killed on Feb. 17. Previous enquiries showed that the defendant went down the pit, and directed that a tree should be put up to support the roof, and went away without seeing it done. Very soon aftewards the roof fell at the very spot where he had ordered the tree to be fixed, and two persons were killed. It was contended for the prosecution that, as he was the responsible manager, he should have seen that the prop was fixed. The case had to be adjourned, in consequence of the absence of a necessary witness.

The Earl of Shaftesbury has been this week on a visit to North and South Staffordshire, with a view to ascertain the working of the Factories Act in the former locality, and of the need of its adoption in the latter. The dispute between Messrs. Lloyds, Foster, and Co. and their men at Wednesbury has been amicably arranged.

ednesbury has been amicably arranged.

THE ASSOCIATION FOR THE PREVENTION OF STEAM-BOILER EXPLO-SIONS, AND FOR THE ATTAINMENT OF ECONOMY IN THE USE OF STEAM. —The monthly meeting of the executive committee of this association was held at the offices, Corporation-street, Manchester, on Tuesday, Mr. Hugh Mason, of Ashton-under-Lyne (Vice-President), in the chair, when Mr. L. E. Fletcher, chief engineer, presented his report, from which the fol-

A. E. Pietcher, chief engineer, presented his report, from which she forwing is extracted:—
During the month 303 engines have been examined, and 509 boliers, as well as four the latter tested by hydraulic pressure. Of the bolier examinations, 318 have been ternal, internal, and 184 entire. In the boliers examined, 208 defects have been accovered, 12 of those being dangerous. Of some of the defects found to exist a few par-

discovered, 12 of those being dangerous. Of some of the defects found to exist a few particulars are given.

FURNACES OUT OF SHAPE.—One case occurred at night time to an ordinary double-furnace Lancashire boiler, when in charge of the watchman, who, on the engines stopping for want of steam, went to the boiler to see what was the matter, and found that the water had gone out of sight in the gauge glass. The first were at once drawn, happily in time to prevent explosion, but not before the furnace crowns were injured so as to need repair. The watchman states that the water was 7 in, high in the gauge glass half-an-hour before, and, as the arrangement of the feed apparatus was defective, it is possible that the water may have escaped. This shows the importance of having the feed iniet have of the furnace crowns, so that they cannot be syphoned bare, even though the back pressure valve or any other part of the feed apparatus should fail. This arrangement of feed iniet has been frequently recommended in the Association's monthly reports, while this was repeated in written communications addressed to the owner of the boller. If, however, the feed was neglected by the watchman, a low water asfety-valve would have aroused his attention, and also prevented all danger of explosion by letting off the pressure of the steam on the waters falling below the proper level. These simple precautions are recommended to all, but more especially to those steam issers who allow their bollers to be worked at night time in charge of watchmen. A detailed drawing of the arrangement of feed inlet recommended lies at these offices for the assistance of the members.

Fractrutes.—One was met with at the bottom of an ordinary double-

tes offices for the assistance of the members.

FRACTURES.—One was met with at the bottom of an ordinary double—
Tangashire boile, where it rent at a transverse seam of rivels for a distance of FRACTURES.—One was met with at the bottom of an ordinary doublefurnace Lancashire bolier, where it rent at a transverse seam of rivets for a distance of
4 ft. 3 in., and through 27 consecutive rivet holes. This was due to the feed water being delivered at the bottom of the bolier, coupled with the mode of setting, by which
the flues spilt at the back instead of at the front, so that the gases from the furnace side
not pass underneath the bolier until their heat was nearly exhausted by traversing the
side flues, whereas they should have passed under it immediately after leaving the furnace tubes, and lastly along the side flues.

EXPLOSIONS.—Three explosions have occurred during the month, by
which two presons were killed, and three others injured; in addition to which four

which two persons were killed, and three others injured; in addition to which four men have been scalded to death with steam and hot water, three of them from the frac-ture of a blow-out pipe at the bottom of a boiler. Not one of the boilers was under the charge of this Association.

Corrosion, External.—One case occurred to a horizontal water tube, CORROSION, EXTERNAL.—One case occurred to a horizontal water tube, two of which were attached to the bottom of an ordinary mill boller, and ran along underneath it for nearly its whole length, so that the general arrangement became somewhat similar to that of a French or elephant boller—with this exception, however, that it was fired internally, while the others are fired externally. The horizontal water tube was about 20 feet long, and affected at the side close to the brickwork, the corrosion extending for a width of about 5 in. from one end of the tube to the other, the plate being so reduced in thickness that the inspector, on excaping off the oxide, ran his chiest through the metal, and found that he could tear it away almost like a sheet of paper. Fortunately, the diameter of the tube was small, and the pressure of the steam low, or explosion would not have been excaped.—A second case was met with in an ordinary double furnace, internally-fired, Lancashire boller, and occurred at the side walls on which the boller was seated, extending from one end of it to the other, and being so dangerous that the boller had at once to be condemned. The corrosion was caused by damp rising from the bottom flue, accelerated in its influence on the plates by the injudelious mode in which the boller was set, which instead of being carried on firebrick blocks, with a bearing surface of about 4 or 5 in., was let down on to the solid brick-work, which had a bearing surface 9 in. wide, while the bottom of the external side flace was flat. Thus, moisture from the subsoli rose more readily through the brick-work to the plates, and any water percolating into the side flues drained between the pasting and the boiler.

sesting and the boiler.

It may, perhaps, be permitted to suggest to the makers of Portable Bollers the importance of adopting a simple and efficient dead weight safety-valve. There may be a difficulty in applying internal dead weight safety-valves from want of room, but there is a description of external dead weight valve, many of which are under inspection, that seems well adapted for portable boilers. In this valve the weight is in the form of a hollow cylinder, which drops over the seat, and is suspended from it, so that it is pendulous in its action, and having neither spindle nor wing to become bound in the seating, it does not appear possible for it to stick fast. It can be placed, as stated, outside the boiler, and thus in view, so that it could not be overweighted without detection. A number of these valves are at work under the inspection of this association, they are found to give every satisfaction, and it is thought that if all portable boilers were fitted with them many explosions would be prevented.

#### RAISING WATER ECONOMICALLY FROM MINES.

HAISING WAIDST ECUNOMICALLE FROM MASSING MAINTS.

Halmost invariably happens that the greatest improvements in connection with mechanical inventions are the result of slight modifications in detail, which to the unpractised ope are improved to slight modifications in detail, which to the unpractised ope are improved. And hence it is that we find many of the most important inventions, either condemned as old and useds. Or all the content of the content

therefore, less sections area or pump is requires to convert equal therefore, less sections are or pump is required to convert equal therefore, less sections are the convert equal there which is objected the pipes, without doing any injury; indeed, pieces of wood, stones, &c., mail enough to get upon the discs, can be conveyed to the top and delivered there without any mischlef whatever to the pump; so that gagged clacks, &c., will cease to annoy the "changer and grather," and to stop the pumping operation, when this pump is adopted,—5. There being no buckets with falls and separate clacks in this pump, as in the lifting-pump; or air-tight atoffing glands and chambers, as in the foreing or ram-pump; this chain-pump will not "work on air," which is at present a great source of accident to the pipes, &c.—6. This pump is less liable to break in any of its parts than the ordinary pump; moreover, it can be more easily repaired, should any accident happen to it, as in the breaking of the chain, which kind of accident happened three times at Wheal Concord, near Tavistock, when the chain fell to the bottom of the shaft, 55 fathoms deep, which was nearly full of water. On each occasion the chain was fished up in two hours.—7. Another but minor advantage to be derived from the use of this pump is its easy application to raise water to be delivered at various heights in the same tube. This may be understood by reference to the drawings prepared for Newton Cap Colliery, where it is necessary to raise 800 gailons per minute of this quantity is to be raised above the surface, in ail, about 50 fathoms from the bottom, to supply the coke ovens. It is shown that the remaining 580 gailons per minute of this quantity is to be raised above the surface, in ail, about 50 fathoms from the betievery-drift. This is a peculiarity which no other pump would admit of.

Now, as to actual experience to verify these assertions. Up to the present time there are very few facts; but few as they are, they are valuable, and enough to inspire confi

by a new chain of the same dimensions, after which the pump worked night and day for upwards of six months, when the mining company stopped their operations for want of money. The horse-power mentioned in this case is nominal. It would take about 35-horse power indicated to do the work. The next case is that of a pump 178 feet, fixed at the Patent Rice Starch Works of Messrs. W. Berger and Co., of Bromiey-by-Bow. Their engine, 25-horse power, has to drive the machinery and pump the water. Up to February, 1892, the water was pumped by two ordinary pumps from the best makers, each 6½ inches diameter. It was found that the engine was not able to do all the work, and their engineer advised them to put in one of these pumps rather than but a new engine. This was done. A 4½-inch pipe, glass enamelled inside and outside, was adopted. This now pumps more water than they require, and the engine is more than sufficient for all their work. The discs travel at about 180 feet per minute, raising about 120 gailons per minute. This pump has now been at work upwards of two years, and never cost 6d. for repairs, and the discs are as good for the work they have to do as ever they wers. For some time after it commerced the engineman thought it necessary to keep the discs tight in the contracted tube. During that time the works were atopped for repairs for nearly two weeks, and at the end of that period the column was still standing entire in the pipes. In practice he found this a little inconvenient, having all the column to start on the first movement of the engine. He, therefore, eased the keys which press the iron plates upon the disc, and thus contracted the disc a little, so that now the column will run out in about half-an-hour, and the water is lifted quite as efficiently. The engineman asys that they quite forget they have a pump at work. It is to be regretted that in this case, as in the one already mentioned, no account has been taken of the quantity of coal consumed; but the power required for this pump cannot be very

 Price of pump
 £1540

 , 250 horse-power Corlisa's engine
 1875

 , Erection, carriage, &c.
 385

Total ....£5265 17 6

Cost of apparatus, 25s. per 100 gallons per foot per minute. Six tons of coal used every 24 hours, to do 4 1-5 millions units of work per minute: showing a saving of 1½ to per day in favour of Bastier's chain pump. The small number of instances in which the Pump has been introduced considering how long it has been before the public, is really remarkable, and

considering how long it has been before the public, is really remarkable, and the patentee will, doubtless, have a good case for obtaining an extension of his patent. It is much to be regretted, however, if the pump possess the many advantages claimed for it, that it should have taken ten years to sell some half-dozen pumps. That the invention will now obtain the practical trial it deserves is beyond question; and, judging from the results obtained with the 15-in. pump, started at the Water-works at Hoddesdon within the past few days, it seems probable that the merits of the pump will henceforth be more generally recognised. The Hoddesdon pump being the largest yet erected, the publication of the work done, &c., which we hope to make in next week's Journal, cannot fail to prove interesting.

A GOOD LEAD MINE WANTED, to FORM INTO a JOINT-STOCK COMPANY. Any gentleman possessing the lease of a property of this description will find the present a favourable opportunity for disposing of it.—Address, "A. B.," Mining Journal office, 26, Fieet-street, London, E.C.

A CORNISH MINE AGENT REQUIRED, to TAKE the RESIDENT MANAGEMENT of a COPPER MINE in IRELAND. A man under 40, and who has been underground agent in a large mine, preferred.—Address, with full particulars as to past engagements, salary expected, &c., to "S. R.," MINING JOURNAL office, 26, Fleet-street, London, E.C.

WANTED, a SITUATION as MINE AGENT, to superintend a small mine.—For particulars, apply to MATTHEW GROSE, Jun., South Foxdale,

WANTED, a YOUNG MAN as SHARPENER of BORERS in a SLATE QUARRY in NORTH LANCASHIRE. Applicants to apply to JAMES RAY EDDY, Carleton Grange, Skipton.

WANTED,—A PARTNER, who could invest £2000, to JOIN a COMPANY (at present in full work) to more FULLY DEVELOPE an IRON ROYALTY consisting of 2000 acres, situate in the best hematite iron district in the North of England, which also contains roofing siate and siate flag of fine quality and abundant quantity. There is also a large deposit of clay, which the company are at present making into bricks, tiles, &c., which have a large demand in the neighbourhood. The royalties, as above, have been secured for 21 years, on very favourable terms, from the lessor, and offers a certain and locrative investment.—Further particulars may be had on application to "J. K.," box 59, Whitehaven.

None but principals will be treated with.

INVESTMENT AND SPECULATION.—A GENTLEMAN of 1 NYE/SIMENT AND SPECULATION.—A GENTLEMAN of relable information, is PREPARED to ADVISE upon the PURCHASE and SALE of all kinds of securities, and to transact business at the closest market quotations. References exchanged.—Address by letter, to "Mentor," No. 29, Montague-street, Russell-square, London.

A GENTLEMAN having an extensive connection with Merchants.

Manufacturers, and others, would be GLAD to UNDERTAKE the SALE of
PATENTED ARTICLES OF INVENTIONS, on commission.—Apply to Mr. W. T.

RAWLE, patent and mining agent, 8, Small-street, Bristol.

MPORTANT TO CAPITALISTS AND MINING COMPANIES. MPORTANT TO CAPITALISTS AND MINING COMPANIES.

—The ADVERTISER, who is a Cornish Mining Captain of 40 years' experience, both in Eugland, Wales, Ireland, France, and Italy, and now resident in the latter country, is OPEN to an ENGAGEMENT to INSPECT MINING PROPERTIES. The Advertiser is also in possession of, and acquanted with, several VALUABLE PROPERTIES, containing lodes of GOLD, SILVER, LEAD, COPPER, and NICKEL ORES, which he is authorised TO DISPOSE OF. He will be happy to afford information on all points connected with mining. All applications to be addressed Capt. John Kessell, Burgofranco, Ivrea, Italy; or Scopello Mines, Scopello, Val-Sesia, Pledmonte.

MINING AND BANKING COMPANIES .- A GENTLEMAN, 25 years of age, who has just completed a course of instruction assaying Gold, Sliver, and other Metals, at the Laboratory of the Royal School of fines, is DESIROUS of OBTAINING EMPLOYMENT in that capacity either at home abroad.—Address, "D. E. B.," Post-office, Jermyn-street, S.W.

O CAPITALISTS.—The CONCESSION of a LEAD and SILVER MINE FOR SALE, capable of producing immediate returns. It is me that a more favourable opportunity occurs for realising large profits. Working been commenced. Price, including plant and material, £2500. A small capital is necessary for operation.—Address, "Beta," Messrs. Dennis and Co., No. 57, transhuty. London, E.C. only is necessary for operation Aldermanbury, London, E.C.

PICH AND VALUABLE MINERAL PROPERTY IN THE COUNTY OF CORK, IRELAND.—A large and extensive MINERAL PROPERTY, on which several east and west lodes are discovered, intersected by large cross-courses; three of the lodes are partially developed, and have produced a very considerable quantity of rich copper ore. Immediate and valuable returns can be made on commencing operations. A respectable and solvent party can obtain a lease of the above property, and for further particulars, and terms, apply to Capt. Henry Thomas, Manager of the Roaring Water Mines, Skibbereen, County Cork, Ireland.

COLLIERY, SOUTH WALES.—TO LET (the present lease being about to expire), a LEVEL FREE COLLIERY, offering great advantages, worked by level and very cheaply. Capital required very small.—Apply to R. T. Rosuns, Esq., Kidwelly, Carmarthenshire; or to L. GRIFFITHS, Ynlaygorwn, near Neath.

PROVINCIAL (WELSH) INSURANCE COMPANY.—WANTED TO PURCHASE, some SHARES in the above company.—Apply stating price, to Mr. John Bury, Hilibury, Wrexham.

PORTABLE ENGINES, with PIT WINDING GEAR. Portables in stock up to 14-horse power. Gear to order to suit circus—Apply to Barrows and Carmichael, engineers, Banbary, Oxon.

JOSEPH TAYLOR AND CO., FINANCIAL, MINING, AND GENERAL AGENTS, 17, CROSS STREET, MANCHESTER.
DEALERS in MINING and OTHER SHARES.

MESSRS. C. THOMAS AND CO., CIVIL AND MINING ENGINEERING OFFICES,
POOLFOLD CHAMBERS, CHAPEL WALKS, MANCHESTER,
AND REDRUTH, CORNWALL.

MR. GEORGE DARLINGTON, CONSULTING MINING-M. G. G. G. A. R. L. L. C. C. S. S. C. S.

BEARDWOOD, JONES, AND CO., FORWARDING, COMMISSION, AND SHIPPING AGENTS.

Being intimately acquainted with the shipping of Iron, Hardware, Crates, &c., to all ports, we can offer superior advantages to Merchants and Manufacturers, both in low reights and moderate shipping charges.

Marine Insurance effected.

India Office.

DY ORDER OF THE SECRETARY OF STATE FOR INDIA
IN COUNCIL, notice is hereby given that the DIRECTOR-GENERAL OF
STORES FOR INDIA will be READY, on or before MONDAY, the 11th instant, to
RECRIVE PROPOSALS in writing, sealed up, from such persons as may be willing to
supply—
BEST BRITISH IRON.
And that the conditions of the said contract may be had on application at the India
Store Office, Cannon-row, Westminster, where the proposals are to be left any tin.e before
Two o'clock P.M., of the said 11th day of June, 1866, after which hour no tender will
be received.
India Office, June 1, 1866.

India Office.

DY ORDER OF THE SECRETARY OF STATE FOR INDIA
IN COUNCIL, notice is hereby given that the DIRECTOR-GENERAL OF
STORES FOR INDIA will be READY, on or before MONDAY, the 11th instant, to
RECEIVE PROPOSALS in writing, sealed up, from such persons as may be willing to
supply—
CAKE COPPER.
And that the conditions of the said contract may be had on application at the India
Store Office, Cannon-row, Westminster, where the proposals are to be left any time before
Two o'clock P.M., of the said 11th day of June, 1866, after which hour no tender will
be received.
India Office, Jane 4, 1866.

N the MATTER of the COMPANIES ACT of 1862, and of the EAST POLBERRO TIN MINING COMPANY (LIMITED).—TENDERS are INVITED, stating the highest price that will be given, for a 36 in. cylinder ENGINE, BOILER, PITWORK, MATERIALS, and other effects, belonging to the above company, at 8t. Agnes, Cornwall. Tenders to be sent to the Liquidator not later than Monday, the 18th June. Printed particulars may be obtained on application to John Clay, Accountant, 20, Cow Green, Halifax (the Liquidator); Capt. ARTRUE GRIPE, St. Agnes, Cornwall; or Messrs. Norris and Foster, Solicitors, Halifax.

NATIONAL PROVINCIAL BANK OF ENGLAND.—The Directors of the National Provincial Bank of England hereby give notice that a HALF-YEARLY DIVIDEND at the rate of Eight PEE CENT. FER ANNUM, and a HALF-YEARLY BONUS of Eight PER CENT., will be PAYABLE on the company's stock on and after the 9th day of Joly next, when the Dividend and Bonus Warrants may be obtained at the company's office, No. 112, Bishopsgate-street (corner of Threadneedie-street), or at the different branches.

The Transfer-books will be closed on and after Saturday, the 9th inst., until [the dividend and bonus become payable.

By order of the Court of Directors,

A. ROBERTSON, Agent and Manager.

112, Bishopsgate-street, London, June 5, 1866.

METROPOLITAN DISTRICT RAILWAY COMPANY.—
Notice is hereby given, that the TRANSFER BOOKS WILL BE CLOSED from the 25th to the 30th day of June, PREPARATORY to the PAYMENT of the HALF-YEAR'S INTEREST due by the contractors on the 1st of July next.
Provisional scrip certificates, fully paid-up £100, bearing 6 per cent, per annum, and ordinary £10 paid, bearing 5 per cent, per annum, must be forwarded to the Registrar at the offices of the company, in order that the dividend warrants may be duly prepared. GEORGE HOPWOOD. Registrar.

dend warrants may be duly prepare GEORGE HOPWOOD, Registrar 6, Westminster Chambers, Victoria-street, S.W.

THE DIRECTORS OF THE WESTERN AFRICA MALACHITE COPPER MINES COMPANY (LIMITED) hereby give notice that an EXTRAORDINARY GENERAL MEETING of the shareholders of the company will be HELD at the offices of the company, No. 6, queen-street-place, Upper Thames-street, in the City of London, on THURSDAY, the 28th day of June inst., at Two o'clock P.M., for the following objects:—

1.—To read and confirm the minutes of the extraordinary general meeting held on the 5th day of June inst.

2.—To read and confirm, or otherwise, the resolutions passed at the said extraordinary general meeting, held on the 5th day of June inst., viz. "

2.—To read and confirm, or otherwise, the resolutions passed at the said extraording general meeting, held on the 5th day of June Inst., viz.:—

1.—That the company be wound-up voluntarily under the provisions of the Companies Act, 1862.

1.—That the company so wound-up voluntarily make the poversions of the Companies act, 1862.

2.—That Mr. John Phillips be appointed paid liquidator, with authority to exercise the powers specified in the 189th, 180th, and 161st, and all sections of the Companies Act, 1862, relating to the voluntary winding-up a company, and all other the powers which the shareholders in ordinary or extraordinary general meetings may exercise; and that he be paid for his personal remuneration a sum not to exceed £50, and for other charges not more than £59.

3.—That Robert Henty, Edward Gregson Banner, and Richard Taylor, Esqs., he appointed a committee for the purpose of supervision and control, with the power of convening meetings of shareholders.

By order of the Directors.

Dated this 5th day of June, 1866.

THE ROSSA GRANDE GOLD MINING COMPANY (LIMITED).—Notice is hereby given, that the directors have this day made a CALL of TWO SHILLINGS AND SIXPENCE PER SHARE, PAYABLE at the London and Westminster Bank, Lothbury, on or before the 7th day of July next. The transfer books will be closed from the 9th to the 16th of June, both days inclusive.

By order, J. JAMESON TRURAN, Sec. 182, Gresham House, Old Broad-street, London, June 7, 1866.

N.E.—By the Articles of Association calls in arrear are subject to interest at the rate of 10 per cent. per annum.

NICKEL AND COBALT REFINING, AND GERMAN SILVER
WORKS, 16, OOZELL STREET NORTH, BIRMINGHAM.
STE HEN BARKER begs to inform the Trade that he has the following articles
or reale:-

refined metallic nickel. | Oxide of CCBalt. [Wire, &c REFINED METALLIC BISMUTH. | GERMAN SILVER—IN INGOTS, SHEET NICKEL AND COBALT ORES PURCHASED.

GOLDENHILL, COBALT, NICKEL, COLOUR, BORAX, AND

CHEMICAL WORKS,

NEAR STOKE-UPON-TRENT, STAFFORDSHIRE.

JOHN HENSHALL WILLIAMSON, MANUFACTURER AND REFINER.

Purchaser of Borate of Lime and Tincal.

ROBERT LIBBBY AND SON,
MINE AND SHAREDEALERS, &c., CAMBORNE, CORNWALL.
NEW LOVELL.—We recommended the immediate purchase of those shares, as the
mine has considerably improved of late, and adjoins the famous rich East Lovell. For
particulars, apply to R. Libby and Son.
Mines inspected by competent agents.

TO MINE, SLATE QUARRY, AND RAILWAY COMPANIES,—CAPT. C. WILLIAMS IS NOW OPEN TO UNDERTAKE ALL KINDS OF CONTRACTS, Such as DRIVING LEVELS, SINKING SHAFTS, CONSTRUCTING WATER COURSES, CANALS, TRAMWAYS, &c., and ERECTING ALL SORTS Of MACHINERY for MINING and OTHER PURPOSES, having on hand at all times a first-class staff of miners and machinists, who will proceed to any part of the world upon the shortest notice.

eart of the world upon the shortest notice. N.B.—In all cases 30 per cent, will be left in hand until the work is complete. Tyn-y-Wern, Tallesin, vin Shrewsbury. E L F O R D, W I L L I A M S, A N D C O.

COPPER ORE WHARFINGERS,

SHIP BROKERS AND COAL EXPORTERS,

METAL AND GENERAL COMMISSION AGENTS,

SWANSEA.

SWANNEA.

ELFORD, WILLIAMS, and Co. having erected an assay office, and engaged the services of a practical Cornish assayer, who will devote his whole time to this branch of their business, they are now in a position to make correct assays of sliver, copper, and other mineral ores, on the most moderate terms.

TO ENGINEERS, MINING COMPANIES, AND OTHERS.

JOHN TURNER (of Sheffield), 3, FINKLE STREET

STOCKTON-ON-TEES,

MANUFACTURER and REFINER of SUPERIOR CAST-STEEL for MINING
DRILLS, PUNCHES, TURNING TOOLS, and TAPS, at reasonable prices.

Soliciting a sample order.

A Stock of Steel and Mining Tools kept at the above address.

NORTH OF ENGLAND MINING AND ENGINEERING OFFICES,
MANCHESTER.

MESSRS. HARVEY AND CO., MINING ENGINEERS,
AGENTS, AND SHAREDEALERS, CLARENCE CHAMBERS, MANCHESTER, are at all times in a position to deal in all the market Dividend and Progressive Mine shares, and also to advise on all mining matters, being practically acquainted with the business, and having a daily communication from the mining distriets of Prova and Cornwall.

ainted with the successions and the state of Devon and Cornwall.

Messrs. Harvix and Co. publish a monthly "Mining Circular," containing a vabies summary of mining information. Subscription, 6s, per year.

Bankers: The Consolidated, Manchester; and the Alliance, Lothbury, London.

MESSRS. HARVEY AND CO., of CLARENCE CHAMBERS, MANCHESTER, are anxious to state that they have NO CONNECTION with HARVEY AND CO., of HAYLE, and recently of Clarence Chambers, London, who supply mine materials.

MINING OFFICES, MANCHESTER.

THOMAS MOLYNEUX AND CO., MINE AGENTS
AND SHAREBROKERS. Reliable information can be obtained as to purchase
and sale of shares.

Offices of the Ellen United Copper and Zinc Mining Company (Limited), and Hazael
Grove Silver-Lead Mining Company (Limited). Thos. MOLYNEOX, secretary, 28, Princess-street, Manchester.

MANCHESTER, AND WEST END OF LONDON.

M. H. A. N. A. M., MINING, SLATE QUARRYING, INSURANCE, AND CENERAL SHAREBROKER, ROYAL INSURANCE BUILDINGS, KING STREET, MANCHESTER; and 31, REGENT STREET, LONDON, S.W.

INSTANTANEOUS COMMUNICATION with the STOCK and MINING EXCHANGES, avoiding the delay and annoyance of visiting the City to ascertain prices.

A Monthly Investment Circular on application.

WASHOE, REESE RIVER, AND OTHER MINES AND MINERAL PROPERTIES in NEVADA and CALIFORNIA, INSPECTED and REPORTED on, with Assays and Analyses to show the character as well as extent of the ore, and instructions as to the most economical method of reduction, by W. T. RICKARD, F.C.S., M.G.A., &c. (late Mitchell and Rickard, London), GOLD HILL, NEVADA, U.S.

London Agent:—T. W. Burr, Esq., 12, Paternoster-row.

FATAL ACCIDENT AT FURZE HILL WOOD MINE-TATAL A CCIDENT AT FURZE HILL WOOD MINE.—

This accident left four widows and ten children all utterly dependent, and one or two of the unmarried men assisted in the maintenance of their aged parents. Contributions will be thankfully received on their behalf at Mesars. Gill, Soss, and Co., and the Devon and Cornwall Bank. Tavistock, and at the offices of the following papers:—

Western Morning News, Western Daily Mercury, Tavistock Gazette, West Briton, and Mining Journal; and by Mr. Timonas Honswill, the purser, at Tavistock; Mr. W. H. Rowss, 2, Branswick-terrace, Plymouth; Mr. T. B. Laws, 22, Great St. Helens, London.

S. J. A. Robartes, Esq., M.F. ... £5 0 0 | Mirs. Pearso, sen. ... £0 10 0 Miners at Trewestha Mine... 3 9 3 C. Harvey, Esq. (Portugal) ... 0 10 0 Collection at the Abbey Chapel,

W. J. May, Esq. ... 0 10 0 Miners at East Russeli ... 2 9 0 | Michael Lonan, Esq. ... 0 10 0 Miners at East Russeli ... 2 9 0 | Michael Lonan, Esq. ... 0 10 0 C. R. Buller, Esq. ... 2 2 6 | A Friend ... 0 6 0 C. R. Buller, Esq. ... 2 2 0 (Captain J. Scoble. ... 0 5 0 J. E. Pickard, Esq., per Joseph Captain Henry Rickard ... 0 5 0

A Friend
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Captain J. Sooble.
Captain John Goldsworthy
Rev. J. Hosegood
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Mr. Thomas Knight
Mr. John Braund.
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Sums under 5s.
Sums under 5s.
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essrs. Bridgman and Son

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m. Rundle, Esq.

m. Honey, Esq. 2 2 0 1 1 0 1 0 0 1 0 0 1 0 0 1 0 0 
 Wm. Collier, Esq.
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 Wm. Rundle, Esq.
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 Wm. Honey, Esq.
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 Capt. T. Gregory
 1 0 0

 Mr. T. B. Laws
 1 0 0

 Rev. J. B. Wollocombe
 1 0 0

 Pupils of Miss Randall's Seminary 1 0 0
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 Matthew Loam, Esq.
 1 0 0

 Miners at Furze Hill Wood Mine
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 0 13 6 0 10 6 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 Miners at Furze Hull Wood Mine
(2d subscription).

Rev. E. G. Hunt...
Michael Loam, Jun., Esq.
Rev. W. S. Newman
C. C. Bewee, Esq.
Thos. Weekes, Esq.
Captain T. Foote...
Captain James Phillips
Miss Parson N.B. - Subscriptions from shareholders already received, £24 19s. 6d.

BARROW HEMATITE STEEL COMPANY
(LIMITED).

HEAD OFFICE AND WORKS,
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BEAST OFFICES, BANGASHIRE,
BEAST OFFICES,
No. 2, GREAT GEORGE STREET, WESTMINSTER,
No. 73, ST. VINCENT STREET, GLASGOW,
No. 44, QUEEN STREET, WOLVERHAMPTON.

No. 44, QUEEN STREET, WOLVERHAMPTON.
DIRECTORS.
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WILLIAM CURREY, Esq.
FREDERICK LITID NICHOLL, Esq.
JAMES RAMSDEN, Esq.—HANAGING DIRECTOR.
SECRETART—FRANKS T. Rolls, Esq.
MANAGER—J. T. Smith, Esq.

This company was originally formed for the manufacture of steel under the Bessemer process, from the furnaces of Messrs. Schneider, Hannay, and Co.

The company have since arranged for the transfer to them, on the 1st January, 1866 of the Hematite Iron Ore Mines and Furnaces belonging to that firm.

In addition to the supply of iron ore and bematite pig-iron, and the manufacture of steel rails, which was the primary object of the company, they manufacture tyres and axies.

Plates for shipbuilding, bollers, girders, bridges, and roofs.

Bars, angles, guns, and forgings of every description in steel.

THE DOROTHEA WEST, GREEN, BLUE, AND
RED SLATE COMPANY (LIMITED).
Registered under the Companies Act, 1862, whereby the liability of each shareholder is limited to the amount of his shares.
Capital £50,000, in 10,000 shares of £5 each.
Deposit, £1 per share on application, and £1 10s. on allotment.
DIRECTORS.
THOMAS WATERS BRITTAIN, Esq., Dagenham, Essex (Director of the Princess of Wales Slate Company, Limited).

Wales State Company, Limited).
Col. HUGH CALVELEY COTTON, Angiesey, Gosport, Hampshire.
Lieut.-Col. H. GARSET MAN, Halatead Lodge, Sevenoaks, Kent (Chairman of the Prince of Wales Slate Company, Limited).
JAMES MAW, Esq., Stratford, Essex (Director of the Lianfair Green and Bine Slate

Company, Limited).

WM. WALTER, Esq., Berengrave, Rainham, Kent.

BANKERS - The National Bank, Old Broad-street, E.C.

AUDITOR - F. Bertram Smart, Esq.

GENERAL MANAGER - Mr. Thomas Harvey.

OFFICES, -33, KING STREET, CHEAPSIDE, E.C.

OFFICES,—33, KING STREET, CHEAPSIDE, E.C.

This company is being formed for the purpose of purchasing and extending the workings of an established and valuable quarry in Carnarvonshire, known as the Dorothea West, lying on the hill side of Nantile Vale, and embracing and intersecting nearly all the valuable veins of slate in that district, including the celebrated Dorothea veins.

The company have agreed to purchase the quarries, which are in full work, and realising a large monthly profit, together with the plant and machinery, for the sum of £20,000, one-half of which is to be paid in cash, and the remainder in paid-up shares. This amount is far less than the capital expended in developing the quarrier, and bringing them into their present profitable condition; but the original proprietors have stipulated for retaining a large interest in the company.

There are seven welns of slate in the property, of fine colour, split, and quality, the slates from which can be seen on the quay at Carnarvon, from whence they are shipped or sent of by rait to all parts. The new Charing Cross Railway Hotel, the London Bridge Hotel, and the Star and Garter Hotel, Richmond, are covered with green slates from this quarry.

this quarry.

The green slate from the Dorothea West has been long known as the finest in colour and quality, as well as the largest vein of green slate in Carnarvonshire. Green Duchesses are now worth £19 per thousand, or £5 6s. 3d. per ton, and other sizes bear a proportionate price, being all about double the price of the beat blue, and exceeding the average price per ton of all the copper ores of Cornwall.

Full prospectuses, with reports and forms of application for the remaining shares, can be had at the company's offices. The company commenced working the quarry on the lat January, 1866, and the profit on the total working appears has already exceeded 40 per cent. The accounts can be seen at the offices.

ELLEN UNITED COPPER AND ZINC MINING COMPANY LIMITED, ST. AGNES, CORNWALL.

At a SPECIAL MEETING of directors, held at their offices, in Manchester, on the 15th May, and reporting on the discovery of a rich lode of copper in the new shaft, yielding 27% per cent. (as per assays), the directors have WITHDRAWN ALL SHALES AT PAR, and now offer a LIMITED NUMBER at a PREMUM of FIVE SHILLINGS per share. The shares are considerably improving in value as the sinking on the lode proceeds.

SHILLINGS per share. The shares are considerably superated 12th and 19th May, on the lode proceeds.

We beg to refer you to the reports in the Mining Journal of 12th and 19th May, from our agent, Capt. J. TONKIN, from which the following are extracted:—

"I have pleasure in informing you that we have cut a rich lode of copper in the new shaft; I sent samples to be assayed, the first produced 63% per cent., the second 14%, this when dreased produced 27% per cent. This is a rich discovery at so early a date, and I may say it establishes the expectations we had in sinking the new shaft to try the lode under the Navy pit, from which £60,000 worth of rich copper or was raised in the former working."

the lode under the Navvy pit, from which £80,000 worth of rich copper ore was raised in the former working."

Capt. Thomas DELBRIDGE has inspected this lode, and says in his report—"It is a beautiful looking lode; I took some stones to Mr. William Andrew, of Redruth, they produced 14/6 per cent. for copper, this I think is a fair sample of the lode in the bottom of the shaft. It is my opinion it will greatly improve as it deepens, the ore is only 2 feet above the bottom of the shaft. It is believed that this lode is standing all in virgin ground to the west of cross-course; if so, you are all right; this will come in parallel ground with the rich deposits of ore in the Navvy pit. If you work with spirit, and carry out the necessary operations, and drain the mine, I believe you will have one of the best mines in the district."
The directors recommend an early application for shares, to be made at the company's offices, 28, Princess-street, Manchester, where prospectuses and reports, with forms of application may be had, and specimens of the ore with map of the mine seen, and every information obtained.

WHEAL THOMAS-PROSPECTUS.—
This Mine is situate in the parish of PERRANZABULOE, in the county of CORNWALL, in light blue killas strata, favourable for driving, and highly mineralised. This mine is also situated in a spiendid locality for mining and mineral, being bounded on the north by the Great Retailack, and on the south by Wheal Hope, both of which have been abundantly productive, the former for blende and the latter for silverlead, and there is every probability of similar and far greater results in this mine than the two former, as may be seen by a sketch or plan of the lodes. This piece of ground is also situated in a splendid mining district, being about two miles north-west of the far-famed East Wheal Rose, one from North Shepherds, one and a half from the Oid Shepherds, Minose where their return were from 200 to 300 tone of silver-lead per

Shepherds Mines, where their returns were from 200 to 300 tons of allver-lead per mooth; about two miles from Penhale and Lomax Mines, and about two miles morth of West Chiverton Mine, which at present is yielding to the adventurers large dividends. This sett some years since was taken up by a company of poor men, who induced the late Capt. John Middleton, of East Wheal Rose, to take an interest. He, knowing the late Capt. John Middleton, or East Wheai Rose, to take an interest. He, knowing the locality and run of the lodes, commenced at once to drive an adit level to intersect the lodes in the eastern part of the sett, which he, as well as other practical miners, formed a very favourable opinion of; but some of the party being very poor, and Capt. Middleton having had a deal of trouble to get their money, at once determined (after driving about 120 fms.) to abandon the mine, rather then take any further trouble with them leaving about 30 or 30 fms. further to drive to intersect the lodes.

There are two east and west and two north and south lodes, and, when intersected, there is every probability of their being abundantly productive, which is a general opinion of experienced miners.

The innetion of these lodes at the adit level will give a back of about 12 fms.

olation of experienced miners.

The junction of these todes at the adit level will give a back of about 12 fms. The junction of these todes at the adit level will give a back of about 12 fms. There is also a large elvan traversing the entire length of the sets, and crossing the orth and south lodes about 90 fms. north of the first east and west one, which lode lil intersect the two former lodes in a spiendid valley, where large deposits of silver-

lead may be expected.

At the 17 fm. level (in the old mine), west of Bell's shaft, an end is being driven west about 40 fms., and cut a north and south lode, which lode has been driven on south for about 50 fms., isaving about 30 fms. further to drive to cut Budnick lode, and this lode stands whole throughout the entire length of the set, being about 30 fms.

Looking at the locality and situation of this mine, and kilias in which these lodes exist, a more favourable piece of ground cannot be offered to the public for investment, and to which the attention of mining investors and speculators is most particularly solicited, as the set can be had on most reasonable terms.

Apply to Hexekiah Prater, Hendra Cottege, Perranporth, Truro, Cornwall.

MR. CHARLES BAWDEN, INSPECTING MINE AGENT, ST. DAY, CORNWALL, OFFERS HIS SERVICES to CAPITALISTS SEEKING to INVEST in borns Add MINES.

#### In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

Stannaries of Cornwall.

In the MATTER of the COMPANIES ACT, 1862, and of the RETANNA HILL MINING COMPANY.—Notice is hereby given, that a PETITION for the WINDING-UP of the ABOYE-NAMED COMPANY by the Court was, on the 31st day of May last, presented to the Vice-Warden of the Stannaries by Michael Henry Williams, carrying on business under the style or name of "The Gweek Company," a creditor and also a contributory of the said company, and that the said petition is directed to be heard before the Vice-Warden, at the College Hall, Exeter, on Saturday, the 14th day of Jaly next, at Two o'clock in the afternoon. Any contributory or creditor of the company may appear at the hearing and oppose the same, provided he has given at least two clear days' notice to the petitioner, his solicitor, or agents, of his intention to do as, such notice to be forthwith forwarded to P. P. Smith, Esq., accretary of the Vice-Warden, Truro.

Every such contributory or creditor is entitled to a copy of the petition and affidavit verifying the same, from the petitioner or his solicitor, within 24 hours after requiring the same, on payment of the regulated charace per folio.

Affidavita intended to be used at the hearing, in opposition to the petition, must be filed at the Registrat's Office, Truro, on or before the 11th day of July next, and notice thereof must at the same time be given to the petitioner, his solicitor, or agents.

JOSEPH ROBERTS, of Truro, Cornwall

Messrs. GREGORY AND ROWCLIFFES, No. 1, Bedford-row, London Dated Truro, June 8, 1866. (Agents of the said Solicitor).

In the Court of the Vice-Warden of the Stannaries.

#### In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

N the MATTER of the COMPANIES ACT, 1862, and of the WHEAL MARY GREAT CONSOLS MINING COMPANY.—Notice is bereby given, that a PETITION for the WINDING-UP of the ABOYE-NAMED COMPANY by the Court was, on the 5th day of June inst., presented to the Vice-Warden of the Stannaries, by William Bradley, a contributory of the said company, and that the said petition is directed to be heard before the Vice-Warden, at the College Hall, Cathedrai-yard, Exeter, on Saturday, the 14th day of July next, at Two celock in the afternoon.

Any contributory or creditor of the company may appear at the hearing and oppose the same, provided he has given at least two clear days notice to the petitioner, his solicitors, or their agents, of his intention to do so, such notice to be forliwith forwarded to P. P. Smith, Esq., secretary of the Vice-Warden, Truro.

Every such contributory or creditor is smittled to a copy of the petition and affidavit verifying the same, from the petitioner his solicitors, or their agents, within 24 hours after requiring the same, on payment of the regulated charge per folio.

Affidavits intended to be used at the hearing, in opposition to the petition, must be filed at the Registrar's Office, Truro, on or before the 11th day of July next, and notice thereof must at the same time be given to the petitioner, his solicitors, or their agents.

HODGE HOCKEN. AND MARRACKE. Truro, Cornwall

(Solicitors for the Pottlonguer, Lon HODGE, HOCKIN, AND MARKACK, Truro, Cornwall Dated Truro, June 7, 1896. (Agents for the said Solicitors).

MINE MATERIALS FOR SALE,

MR. LITTLE WILL OFFER FOR SALE, BY AUCTION,
at EAST DOWNS MINE, in the parish of St. Agnes, Cornwall, on Thursday,
the 14th instant, at Three o'clock P.M. precisely, the WHOLE of the MATERIALS
thereon, in One Lot, comprising: —
4 horse whims, with shaft tackle and pulleys; 8 horse whim kibbles, 20 cwts. horse
whim chain, 18) fms. good whim rope, 1 new span beam and shaft tackle, 2 horse whim
water barrels (iron), 1 fin air machine, 10 winze kibbles, 3 windiasses, 100 fms. tackle
ropes, 184 fms. ladders, 96 casings and dividings, 100 bed planks, 40 air pipes, 10 wheelbarrows, 1 whim axie, 10 cwts. new iron, 9 cwts. old iron, 3 cwts. 75 borer steel,
1 grinding stone, 10 cwts. old rope, 120 lbs. smiths' tools, beliows and anvil, 6 cwts.
miners' borers; also, several mallets, picks, &c.; 1 carpenters' shed, wood; 3 wood
sheds; 2 jigging machines; 1 scale and stand, with 2 weighing barrows and 3 dividing
ditto; 6 from weights, 2, 4, 7, 14, 28, and 56 lbs; counting house forniture, &c., &c.
The materials can be seen on the mine, about haif a mile from the Scorrier Station,
on the West Cornwall Railway; and any further particulars had by applying to Capt.
JOHN WATERS, or to the auctioner, Redruth.

MINE MATERIALS FOR SALE.

MR. BAKER is instructed to SELL, BY AUCTION, at WHEAL POLLARD, in the parish of St. Clear, on Thorsday, Control of St. Cl R. BAKER is instructed to SELL, BY AUCTION, at WHEAL POLLARD, in the parish of St. Cleer, on Thursday, the 14th day of June Inst., 48ft. high, with oak caps; horse whim; 18 11 in. pumps, 5 9 in. ditto, 18 6 in. ditto; 3 7 in. ditto, 1 6 in. ditto, 1 10 in. ditto, 3 7 in. ditto, 1 6 in. ditto, 1 8 in. ditto; 1 10 in. ditto, 3 7 in. ditto, 1 6 in. ditto, 1 8 in. ditto; 1 2 10 in. working barreis, 1 8 in. ditto, 3 7 in. ditto, 1 6 in. ditto, 1 8 in. ditto; 2 10 in. working barreis, 1 8 in. ditto, 5 7 in. ditto, 1 5 in. ditto; 1 9 in. matching; 1 10 in. piunger pole, studing box, and gland; 50 ims. casing plank; 50 ims. iron par ladders; 28 ims. 7½ in. main rods; 100 ims. 10 in. capstan rope (nearly new); 140 ims. ½ in. and other chain; 20 fms. skip rod limber; 3 skips; 2 tram wagons; double piston air machine; 2 sets strapping plates and guidgeons for bainene-bobs; bucker rods and buckets, various sizes; 4 horse whim pullies; turning lathe, shaft rolls, rods plans, dange pins, nose plate, bishop's head, 40 in smiths' boils, scales and weights, minera' tools, single and treble blocks; pump and door rings, set-offs, staples and glands, drying tube, tailow and other stores, air-pipes, serew tastie, old and new tiron, old and new timber, wheel-barrows, office chairs and table, grinding stone, &c.

Refreshments at Twelve, and the sale to commence at One F.M. precisely.

Wadeland, Liskeard, June 5, 1866.

#### TO COLLIERY PROPRIETORS AND CAPITALISTS.

TO COLLIERY PROPRIETORS AND CAPITALISTS.

M ESSRS. BARNARD, THOMAS, AND CO. have been favoured with instructions from the proprietor to SELL, BY AUCTION, at the Maypole Inn, Warmley, near Bristol, on Monday, Juns the 18th, at Five for Six citock in the evening, in the following or such other iots as may be determined on at the time of sale, and subject to conditions to be then and there produced, that VALUABLE FREEHOLD FROPERTY, known as the CROWN COLLIERY, Warmley, near Bristol, which has until recently been in full work, and last year produced 6500 tons of coal, viz.:—

LOT 1.—The COAL, IRONSTONE, and BUILDING STONE, under about 80 acres of land; the whole of the MINES and MINERALS under about 60 acres of land; the whole of the MINES and MINERALS under about 60 acres of land; the whole of the MINERALS under upwards of 30 acres of other adjoining land, known as Barnes and Jefferies. There are four well-ascertained seams or veins of coal, which have been worked, besides the deep vein.

LOT 2.—Two parcels of FREHOLD LAND, numbered on sale map 302, 303, and 456, containing by admeasurement 1A. 1R., with all the COLLIERY ERECTIONS thereon, and MACHINERY, in good working order, comprising pumping and winding engines, with new boiler, pumps, and new wife ropes, together with BALLIFYS RESIDENCE, THEEE COTTAGES, and about 50 tons of PIT TIMBEIL, &c., of which inventories will be produced at the sale.

LOT 3.—All those two parcels of LAND, adjoining Lot 2, numbered in the map 453 and 454, and containing 6 A. 0 B. 30 F. (more or less), 2 R. and 32 F. of which are arable, and the rest pasture.

Lot 3.—All those two parcels of LAND, adjoining Lot 3, numbered 452, and 454, and containing 54.0 R. 39 r. (more or less), 2 R. and 23 r. of which are arable, and the rest pasture.

Lot 4.—Alf that parcel of PASTURE LAND, adjoining Lot 3, numbered 452, and containing 4 a. 2 R. 16 r. (more or less), now in the occupation of Edward Bigwood.

Lot 5.—Alf that parcel of LAND, numbered 439, containing by admeasurement 3R. 17 r., together with commodious MESSUAGE, or dwelling-house, and outhouses thereon, now tenanted by Mr. Collingbourne and Mr. Ladd.

The whole of the above property is freshold, except the three undivided fourth-parts or shares of the minerals under the 39 acres included in Lot 1, which is leasehold, for the unexpired residue of a term of 1000 years.

The new branch of the Midland Railway from Bath to Mangotfield, now in course of construction, runs within a few yards of the colliery, and a tramway connects the works with the Avonside and Gloucestershire Railway.

A mine of valuable clay has been recently opened in Lot 3, affording a good opportunity of establishing a brick and tile yard, which is much wanted in the neighbour-hood; and the facilities for a profitable development of the property are well worthy the consideration of capitalists.

The whole may be viewed any time previous to the hour of sale, and further particulars and plans may be had on application to the Auctioneers, Albion Chambers, Bristoir, of which is seven days of the sale) to Messres Keary, Renny, and Syokes, solicitors, Chippenham.

COUNTY OF GLAMORGAN.

# COUNTY OF GLAMORGAN. VALUABLE COLLIERY PROPERTY AND HARBOUR. PRELIMINARY ANNOUNCEMENT.

MR. THOMAS THOMAS has been instructed to offer FOR SALE, MR. THOMAS THOMAS has been instructed to offer FOR SALE, BY PUBLIC AUCTION, in the ensuing months of May or June, at the Mackworth Arms Hotel, Swansea, unless previously disposed of by private contract (of which due notice will be given), subject to conditions of sale to be then produced, all that valuable COLLERY and COAL FIELD, situate in the parish of Lianner Hollan, in the county of GLAMORGAN, known as the LYNCH COLLERY, containing the well-known Lynch vein, the Farm vein, and two others.

Also the LYNCH HARBOUR, contiguous to the said colliery, at the configence of the River Morials with the River Loughor, together with the land, conveniences, and works connected therewith.

And also that one undivided FOURTH SHARE of a valuable COLLIERY, situate in the parlishes of LOUGHOR and LLANRHIDLAN, in the county of GLAMORGAN known as the BERRINGTON COLLIERY, containing the well-known Hughes's vein, and three others.

and three others and three others.

Detailed particulars and plans are now in preparation. In the meantime, for further information, and to treat, application may be nade to Mr. Gaskons, solicitor, Swansea; Mr. H. Hukham, mining engineer, Swansea; or to the Auctioneer, at his offices at Swansea and Neath.—Swansea, April, 1866.

IMPORTANT SALE OF MINERAL PROPERTY.

IMPORTANT SALE OF MINERAL PROPERTY.

TO BE SOLD, BY PRIVATE CONTRACT, the FEE SIMPLE and INHERITANCE of the ESTATE of TRETOIL, in the parish of Lanivet, near Bodenio, Cornwail, now in the occupation of Mr. Prophet, as tenant thereof, whose term will expire at Michaelmas next.

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TO BE EXPOSED TO LET, BY PUBLIC ROUP, within the town-house of Dunfermline, on a day to be afterwards fixed, on a lease, for such term of years as may be agreed on, from and after Candlemas next, 1867, the WHOLE SEAMS of COAL, SHALE, IRONSTONE, and FIRECLAY in and under a portion of the lands belonging to the Burgh of Dunfermline, extending to 130 imperial acres, or thereby, and bying about two miles north-east of the burgh.

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Eq., town cierk of Dunfermine.—Dunfermine, June 4, 1866.

Eq., town cierk of Dunfermine.—Dunfermine, June 4, 1866.

GLAMORGANSHIRE, SOUTH WALES.—THE DULAIS AND CRYNANT MINERAL ESTATE, in the parish of Cadoxton-juxta-Neath.

TO BE LET, UPON LEASE, for a long term of years, all the COAL, ARGILLACEOUS IRONSTONE, BLACKBAND, SAND, CLAY, and BUILDING SYONE lying and being in and under the above estate, comprising about 4000 acres. Another portion of the mineral property has been under lease for some time, and forms a very large and extensive college; and another part of the mineral property is also under lease, and has been worked by an iron company, who have large iron-works (now-being considerably increased) close to it. The coal and mine can be worked cheaply, a great portion of which is level free, and little timber will be required, the roof and floor being very strong. The Neath and Brecon Railway having been carried through this estate for a distance of nearly six miles, and being now open for mineral and goods traffic, every facility is afforded for shipment at the ports of Swansea, Britonferry, Neath, Lianelly, and Port Talbot, all of which may be reached within a very short distance, and the minerals may be conveyed to any part along the Great Western Italiway. In the course of a few months the Neath and Brecon Railway will be opened for traffic to Liangamonch and Brecon, as which places it will join the Central Waits Railway and other lines, thereby giving great facilities for the conveying of the minerals to the North.

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4.—It raises water to and so that the slightest in and sconomy.

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The extended use of this material has enabled the manufacturers to issue a new List, showing a LaRGE REDUCTION IN PRICE; and they now beg to call the attention of those interested in MINING and BLASTING OPERATIONS to the GREAT SAVING in TIME and COST which may be effected by the introduction of gun-cotton. Directions for use and full particulars obtained upon application to THOMAS PREMICE AND CO., 173, FENCHURCH STREET, LONDON; or GUN COTTON WORKS, STOWMARKET.

C H A R L E S D A V E Y A N D C
SAFETY FUSE MANUFACTURERS,
ST. HELEN'S JUNCTION, LANCASHIRE.

Patent Flat and Round Wire and Hemp Ropes, &c.

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Swan Rope Works.

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MANUFACTURERS OF FLAT and ROUND HEMP and IRON and STEEL WIRE
OPES for MINING, RAILWAY, and SHIPPING PURPOSES.
MANILLA RORE OF SUPERIOR QUALITY, FIFTY PER CENT. STRONGER
and THIRTY PER CENT. CHEAPER than Russian bemp rope.
WIRE ROPE of FIRST QUALITY WIRE, and the HIGHEST STANDARD of
STRENGTH.

First Class Silver Medal, Royal Polytechnic Society, Falmouth, 1864.

CREASE'S PNEUMATIC TUNNELLING ENGINE, CREASE'S PNEUMATIC TUNNELLING ENGINE, for SUPERSEDING the SLOW and EXPENSIVE USE of MANUAL LABOUR IN SINKING SHAFTS, DRIVING LEVELS, TUNNELLING, &c., is quaranteed to drive through any rock of average hardness at a minimum rate of 1 fm. per diem, and to sink shafts at the rate of 2 fms. in three days.

Mr. Crease will undertake contracts for sinking shafts, driving levels, &c., at an enormous reduction of time and great saving in cost.

Applications to be addressed (for the present) to the patentee, Mr. E. S, Crease Taylstock Devon.

International Exhibition, 1862-Prize Medal.



JAMES RUSSELL AND SONS (the original patentees and first makers of wrought-fron tubes), of the CROWN PATENT TUBE WORKS, WEDNESBURY, STAFFORDSHIRE, have been AWARDED PRIZE MEDAL for the "good work" displayed in their wrought-fron tubes and fittings.

Warehouse, Si, Upper Ground-street, London, S.

PICKFORD'S PATENT SAFETY-FUSE OBTAINED the PRIZE MEDALS at the ROYAL EXHIBITION of 1851, at the INTERNATIONAL EXHIBITION of 1862, in London, and at the IMPERIAL EXPOSITION held in Paris, in 1855.



BICKFORD, SMITH, AND CO.,
TUCKINGMILL, CORNWALL, MANUFACTURERS
of PATENT SAFETY-FUSE, having been informed that the
name of their firm has been attached to fuge not of their manufacture, beg to call the attention of the trade and public
the following announcement:—
EVERY COIL of FUSE MANUFACTURED by them has
TWO SEPARATE THREADS PASSING THROUGH the COLUMN of GUNPOWDER, and BICKFORD, SMITH, AND CO. CLAIM SUCH TWO SEPARATE
THREADS as THEIR TRADE MARK.

TURTON AND SONS,
MANUPACTURERS OF
CAST STEEL for PUNCHES, TAPS, and DIES, THOMAS



TURNING TOOLS, CHISELS, &c.

CAST STEEL PISTON RODS, CRANK PINS, CON-NECTING RODS, STRAIGHT and CRANK AXLES, SHAFTS and FORGINGS of EVERY DESCRIPTION.

DOUBLE SHEAR STEEL,
BLISTER STEEL,
BRING STEEL,
GERMAN STEEL.

PILES MARKED
T. T U R T O N
EDGE TOOLS MARKED
WM. GREAVES & SON SPRING STEEL, GERMAN STEEL.

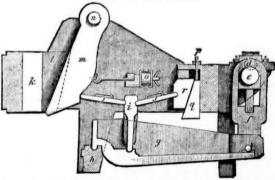
Locomotive Engine, Railway Carriage and Wagon Springs and Buffers.

SHEAF WORKS AND SPRING WORKS, SHEFFIELD.
LONDON WAREHOUSE, 35, QUEEN STREET, CANNON STREET, CITY, E.C.,
Where the largest stock of steel, files, tools, &c., may be selected from.

OAL CUTTING MACHINE, perfected their coal cutting machinery, worked by compressed air, are NOW READY to MAKE CONTRACTS for the CONSTRUCTION and USE of their MACHINES. The results of twelve months' experience in the working of these machines, by the West Ardsley Company, have proved most satisfactory, their case being found to CHEAPEN the CONTRACTS for the Santiagatory, their case being found to CHEAPEN the COST and IMPROVE the average SIZE of the COAL, to LIGHTEN the LABOUR, and also to MODIFY the SANITARY CONDITION of the MINE. All communications to be made to Messrs. Firth, Donisthorpe, and Bower, No. 8, Britannia-street, Leeds.

NOTICE.—The WEST ARDSLEY COMPANY, having reason to believe that their patents are being infringed upon to believe that their patents are being infringed upon, hereby give notice that they will TAKE LEGAL PROCEEDINGS AGAINST ALL PARTIES who may MAKE FOR SALE, or USE ANY MACHINERY in the construction of which any such INFRINGEMENT is MADE.

BLAKE'S PATENT STONE BREAKER, OR ORE CRUSHING MACHINE, FOR REDUCING TO SMALL FRAGMENTS ROCKS ORES, AND MINERALS OF EVERY KIND.



It is rapidly making its way to all parts of the globe, being now in profitable use in California, Washoe, Lake Superior, Australia, Cuba, Chill, Brazil, and throughout the United States and England.

The above section illustrates Blake's Stone Breaker, just as made the last five years and is fully protected in every part by patents.

Extract from Specification:—A short but powerful vibration is Laparted to one or both of the jaws by any convenient arrangement, and combination of powerful levers worked by a crank or eccentric on the main shaft.

LEGAL PROCEEDINGS will be taken at once against any person or persons found making, using, or vending say machine, the construction of which will constitute an infringement on the above patent. Read extracts of testimonials:—

Alkais Works, near Wednesbury.—I at first thought the outlay too much for so simple an article, but now think it money well spent.

Welsh Gold Mining Company, Dolgelly.—The stone breaker does its work admirably crushing the hardeat stones and quartz.

Our 15 by 7 in. macaline has broken 4 tons of hard winstone in 20 minutes, for fine road metal, free from dust.

Stone and Lime Merchants, Darlington.

Our 15 by 7 in, macaine has broken 4 tons of hard winstone in 20 minutes, for fine road metal, free from dust.

\*\*Messrs, One and Maddisone\*\*

\*\*Stone and Lime Merchants, Darlington.\*\*

\*\*Kirkless Hall, near Wigan.\*\*—Each of my machines breaks from 100 to 120 tons of limestone or ore per day (10 hours), at a saving of 4d. per ton.

\*\*Ovoca, Ireland.\*\*—My crusher does its work most satisfactorily. It will break 10 tons of the hardest copper ore stone per hour.

\*\*General Frécuonis\*\* Mines, Calfornia.\*\*—The 15 by 7 in. machine effects a saving of the labour of about 30 men, or \$75 per day. The high estimation in which we hold your invention is shown by the fact that Mr. Park has just ordered a third machine for this estate.

\*\*States Williams\*\*

\*\*The high estimation in which we hold the states of the states will be states.

\*\*States Williams\*\*

\*\*States Willi

your invention is successful this estate.

For circulars and testimonials, apply to—
H. R. MARSDEN, SOHO FOUNDRY,

MEADOW LANE, LEEDS.

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Only maker in the United Kingdon

P. R. WATSON (of the Lock Hospital), F.R.A.S., Member of the College of Physicians and Surgeons, on the SELF-CURE of NERVOUS and PHYSICAL DEBILITY, Lowness of Spirits, Loss of Appetite, Timidity, Incapacity for Exertion, Sec., with means for perfect restoration. Sent free for two stamps by Dr. WATSON, No. 1, South-crescent, Bedford-square, London. Consultations daily from Eleven till Three, and Six till Eight.

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WONDERFUL MEDICAL DISCOVERY, demonstrating the
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#### THE MINING SHARE LIST

| BRITISH DIVIDEND M   | IINES.                                |
|--|---------------------------------------|
|  |                                       |
|  | ness. Total divs Per Share. Last pard |
| TORRE TO THE PROPERTY TO THE P | 488 15 0 5 0 0-May, 1868              |
| 1000 P 4 1 (lead) Cardigan IT £181 19 0 0  | 9 per cent Mar. 1866                  |
| 1200 Bryn Gwyn (lead), Mold, [L.] 9 0 0  | 8 1 0 0 6 0-May, 1866                 |
| 1200 Bryn Gwyn (lend), Mold, [13.] 9 0 0   | 3 3 6 0 13 6-Ang. 1865                |
| 916 Cargoli (silver-lead), Newlyn 15 5 7   | 13 15 0 1 0 0-Feb. 1866               |
| 2880 Clifford Amalg amated (cop.), Gwen 30 0 0 9 81/4  | 9 85 6 0 0 10 0-June 1865             |
| 867 Cwm Erfin (lead) Cardiganshire [L.] 7 10 0   | - 19 18 0 1 0 0-April, 1866           |
| 128 Cwmystwith (lead), Cardiganshire 60 0 0  | - 352 10 0 5 0 0-April, 1866          |
| 280 Derwent Mines (sillead), Durham 300 0 0  | - 162 0 0 2 10 0-Mar. 1866            |
| 1024 Devon Gt. Con.(cop.), Tavist. [S.E.] 1 0 0 475 440  |                                       |
| 358 Dolcoath (copper,tin), Camborne 128 17 6   | 812 10 0 2 0 0-April, 1866            |
| 6000 East Carn Brea (copper), Redruth 3 15 0 216 2   | 0 5 0 0 5 0-June, 1865                |
| 6144 East Caradon (copper), St. Cleer [S.E.] 2 14 6 7 61/4   | 7 14 3 0 0 5 0-Jan. 18ee              |
| 300 East Darren (lead), Cardiganshire 32 0 0   | - 113 10 0 2 0 0-May, 1866            |
| 128 East Pool (tin, copper), Pool, Illogan 24 5 0 400  | 374 10 0 5 0 0-May, 1866              |
| 5000 East Rosewarne (cop., tin), Gwinear. 2 15 0 136   | 0 10 6 0 1 6-Jan. 1866                |
| 1906 East Wheat Levell (IIII), Wendron 3 9 0 7 8   |                                       |
| 2800 Foxdale (lead) Isle of Man [L.] 25 0 0  | → 68 0 0 0 10 0-Mar. 1866             |
| 5000 Frank Mills (lead), Christow 3 18 6 414 4 41  | 2 3 5 6 0 5 0-Feb. 1866               |
| 15000 Great Laxey (lead), Isle of Man [L.] 4 0 0 2142014 2   | 11% 4 5 0 0 10 0-Mar. 1866            |
| 5908 Great Wh. Vor(tin,cp.), Helston[S.E.] 40 0 0 18 17 1  | 8 9 10 6 0 13 6-Mar. 1866             |
| 1024 Herodstoot (ld.), near Liskeard [S.E.] 8 10 0 39 35 4   | 0 36 0 0 1 15 0-Feb. 1866             |
| \$000 Hingston Down (copper), [S.E.] 5 10 6 4  | 0 10 0 0 5 0 -April 1866              |
| 400 Lisburne(lead), Cardiganshire, Wales 18 15 0   | 467 0 0 3 0 0-April, 1866             |
| 9000 Marge Valley (copper), Caradon 4 10 6 334 314 3   | 4 3 5 0 0 2 6-Jan. 1866               |
| 3000 Minera Boundary (lead), Wrexham [L.] 1 0 0  | 0 13 0 0 3 0-Mar. 1866                |
| 1800 Minera Mining Co. [L.], (ld.), Wrexham 25 0 0.  | 198 3 0 5 0 0-May, 1866               |
| 20000 Mining Co. offreland (cop., lead, coal) 7 0 0 1814   | - 19 18 11. 0 16 1-July, 1865         |
| 40000 Mwyndy (iron ore) [L. £4] [S.E.] 3 0 0   | 0 6 6 0 2 6-Mar. 1866                 |
| 6000 New Birch Tor and Vitifer Cons. (tin) 1 6 6   | 0 13 0 0 2 0-Oct. 1865                |
| 600 Pant-y-Glien (slate) [L.] 20 0 0   | 10 per centMar. 1866                  |
| 200 Parys Mines (copper), Anglesey [L.j. 50 0 0  | 157 0 0 5 0 0-Jan. 1866               |
| 112) Providence (tin), Uny Lelantf [S.E.] 10 6 7 23 20 24  | 80 17 6 0 10 0-May, 1866              |
| 512 South Caradon (cop.), St. Cleer [S.E.] 1 5 0   | - 524 10 0 7 0 0-May, 1866            |
| 6000 South Darren (lead), [L. £31/6] 3 6 6 3 31/4  | 0 3 0 0 3 0-Mar. 1866                 |
| 6000 Tincrott (cop. tin), Fool, Illogan [S.E.] 9 0 0 10 9 10   | 19 1 0 1 0 0                          |
| 6000 West Basset (copper) Illogen [S F ] 1 10 0  | - 26 14 0 0 5 0-July, 1865            |
| 8000 W Chiverton (Id ) Perrangahuloef F 1  | 0 11 7 6 1 15 0-May, 1866             |
| 400 W.Wh. Seton(cop.), Camborne[S.E.] 47 10 0.   | 453 0 0 4 0 0-April, 1866             |
| \$10 When Desert (conner) Illogen # 10 P 1 F 0 a   | - 620 0 0 - 1 0 0 June 1866           |
| 1094 Wh Exmouth (lead) Chrisow   | 0 0 0 0 0 0000                        |
| 1024 Wheal Friendship (copper), Devon 20 0 0   |                                       |
| 4295 Wheal Kitty (tin), St. Agnes 5 4 6  |                                       |
| 1024 Wh. Mary Ann (ld.), Menheniot [S.E.] 8 0 0  |                                       |
| 2000 Wheel Pose (conner) Scowler   | 59 17 6 0 10 0-Mar. 1865              |
| 396 Wheal Seton (tin, copper), Camborne, 58 10 0 200 100 100   | 1 0 0 0 10 0-Feb. 1866                |

[\* Dividends paid every two months. † Dividends paid every three months.]

#### BRITISH MINES WITH DIVIDENDS IN ABEYANCE.

| 1200 Alderley Edge (cop.), Cheshire [L.] 10 0 0         | 11 30 0110 2   |
|---|--|
| 3000 Bedford United (copper), Tavistockt 2 6 8          | 10 11 4 6 6 6 6 1001                                 |
| 1248 Boscaswell (tin, copper), St. Just 6 15 0          | - 13 11 6 0 2 6—Oct. 1864<br>- 1 5 0 0 5 0—May, 1864 |
| 240 Boscean (tin), St. Just 20 10 0                     | 86 10 0 1 0 0-Mar. 1862                              |
| 1600 Brixham Hematite Iron [L. £8] 6 7 6                | 0 6 0 0 6 0-Nov. 1864                                |
| 1:00 Carn Brea (copper, tin), Illogan 21 0 0            | 280 10 0 2 0 0-June, 1864                            |
| 256 Condurrow (cop., tin), Camborne 76 10 0             | 85 0 0 2 0 0-June, 1852                              |
| 2450 Cook's Kitchen (copper), Illogan 19 8 9            | 2 1 7 0 0 7 0-May, 1857                              |
| 1024 Copper Hill (copper), Redruth 12 0 0               | 2 7 6 Sent 1869                                      |
| 42000 Copper Miners of England [2000 £25 paid, 40000 £1 | [00 paid.]   |
| 1055 Craddock Moor(copper), St. Cleer 10 4 0            | 7 12 0 0 4 0-June, 1865                              |
| 12800 Drake Walls (tin, copper), Calstock 2 1 0         | 0 18 0 0 1 6-May, 1863                               |
| 3000 Dyfngwm (lead), Wales 12 6 6                       | 0 17 6 0 2 6-Jan. 1863                               |
| 512 East Basset (cop.), Redruth [S.E.] 29 10 0          | 16 13 15 126 0 0 1 0 0-Nov. 1864                     |
| 119 Great Work (tin), Germos                            | 15 0 0 5 0 0-Aug. 1864                               |
| 10240 Gannislake (Clitters'Adit) (copper) 4 3 0         | 0 3 0 0 1 6-Mar. 1862                                |
| 3000 Maes-y-Safu (lead) [L] 20 0 0                      | 1 0 0 1 0 0-Oct. 1864                                |
| 640 Mount Pleasant (lead), Mold 4 0 0                   | 18 18 1 0 7 6-Aug. 1862                              |
| 250 Nanty Mines (lead), Montgomery 20 0 0               | 7 0 0 1 0 0-June, 1864                               |
| 5936 North Treskerby (copper), St. Agnes. 1 9 0         | 21/4 21/4 21/4 0 13 0 0 2 6-Feb. 1864                |
| 5000 Orsedd(lead), Flintshire 0 0 8                     | 0 10 4 0 0 8-Mar. 1862                               |
| 1772 Polberro(tin), St. Agnes 15 0 0                    | 7 19 6 0 10 0-Nov. 1863                              |
| 512 Polbreen (tin), St. Agnes 8 0 0                     | 1 0 0 1 0 0-July, 1863                               |
| 512 South Tolgus (cop.), Redruth 9 10 0                 | 74 10 0 1 0 0-May, 1863                              |
| 496 S. Wh. Frances (cop.), Illogan [S.E.] 18 18 9       | 20 15 20 370 13 6 1 0 0-Nov. 1863                    |
| 4000 St. Day United (tin), Redruth 14 10 0              | 0 5 0., 0 5 0-Mar. 1864                              |
| 940 St. Ives Consols (tin), St. Ives 9 15 0             | 5 67 490 10 0 0 10 0-May, 1864                       |
| 572 Trelyon Consols (tin), St. Ives 15 10 0             | 7 0 0., 0 10 0-Sept. 1864                            |
| 1000 Trumpet Consols(tin), near Helston 11 10 0         | 11 0 0 2 0 0-Mar. 1860                               |
| 4200 Vigraand Clogau(copper)[L.£5] 5 0 0                | 6 2 6 1 10 0-Mar. 1864                               |
| 256 West Damsel (copper), Gwennap 38 10 0               | 63 10 0 1 0 0-Nov. 1864                              |
| 1000 Wheal Basset and Grylls (tin) 7 0 0                | 3 0 0 0 10 0-Oct. 1863                               |
| 1024 Wheal Kitty (tin), Uny Lelant [S.E.] 3 10 6        | 10 2 6 0 7 6-July, 1864                              |
| 512 Wheal Jane (silver-lead), Kea 8 10 0                | 9 15 0 0 0 10 0-Aug. 1864                            |
| 896 Wheal Margaret (tin), Uny Lelant 13 17 6            | 76 5 0 1 0 0-May, 1863                               |
| 100 Wheal Mary (tin), Lelant 36 2 6                     | 288 5 0 4 0 0-Mar. 1864                              |
| 80 Wheal Owles (tin), St. Just, Cornwall 70 0 0         | 343 3 0 5 0 0-May, 1864                              |
| 2044 Wheal Tremayne (tin), Gwinear 6 11 3               | 6 1 3 0 5 0-Nov. 1863                                |
| 8000 Wharfedale Mining Company [L. 10s.]. 0 56          | 0 0 6-Jan. 1864                                      |
|   |  |

# FOREIGN DIVIDEND MINES.

| 20000        | Australian (cop.), S. Australia [S.E.] 7    | 7   | 6   |      |     |      |    | 0 4 0.  | . 0   | 1 0-June  | 1866  |
|--------------|---|-----|-----|------|-----|------|----|---------|-------|-----------|-------|
| 15000        | Cape Copper Mining [L. £10] [S.E.] 7        | 0   | 0   | 10%  | 914 | 934  |    | 2 12 6. | . 0 1 | 0 0-April | .1866 |
| 15000        | East Indian Coal, Calcutta [L.] 10          | 0   | 0   |      |     |      |    |         |       | -         | ,     |
| 25000        | Fortuna (lead), Spain [L. ] [S.E.] 2        | 0   | 0   |      |     | 234  |    |         |       | 3 0-Feb.  | 1866  |
| 10000        | Gonnesa (lead) [L.] [5000 £5 paid, 5000 £1  | na  | [bb |      |     | - /- |    |         |       | per annun |       |
| 15000        | Linares (lead), Spain [L.][S.E.] 8          | 0   | 0   |      |     |      |    |         |       | 5 0-Jan.  |       |
| 3210         | New Wildberg (lead)                         | 0   | 0   |      |     |      |    |         |       | 2 0-Ang.  |       |
| <b>50000</b> | Panulcillo (copper) [L. £4][S.E.] 3         | õ   | 0   |      |     | 214  | •• |         |       | - Yes     |       |
| 10000        | Pontgiband(sillead), France[S.E.]20         | 0   | 0   |      | 6   | 2    |    |         |       | 6 8-Dec.  |       |
| 97500        | Port Phillip (gold). Clunes [S.E.] 1        | ň   | 0   |      |     | 3/   | •• |         |       |           |       |
| 90000        | Scottish Australian Mining Co [L. £1] 1     |     | 0.  |      | 1/4 | 78   |    |         |       | 1 0-Jan.  | 1866  |
| 11000        | St. John del Rey [L.], Brazil [S.E.]. 15    | 0   | 0   | 78.0 |     |      |    |         |       | 0 3-Jan.  | 1866  |
| £0000        | Victoria (Tondon) (T. ) (Second St. E.). 18 | 0   | U   | 50   | 48  | PI   |    |         |       | 0 0-Dec.  | 1865  |
| 40000        | Victoria (London) [L.] [25000 £1 pd., 25000 | 78. | 6d. | pd.] |     |      |    | 10 per  |       |           |       |
| #UUUU        | West Canada Mining Co. [L.] [S.E] 1         | 0   | 0   |      |     |      |    | 0 19 6. | . 0   | 2 6-May.  | 1865  |

## FOREIGN MINES WITH DIVIDENDS IN ABEYANCE.

| 10000  | Alten and Quænangen Uni. (eop.) [L. £8]4       | 10 |   |     | •  |      |      |    | 4   | 5  | 0 | 0 | 15 | 0-Nov.  | 1853 |
|--------|--|----|---|-----|----|------|------|----|-----|----|---|---|----|---------|------|
| 2464   | Burra Burra (cop.), South Australia. &         | 0  | 0 | -   |    |      |      |    | 325 | 0  | 0 | ۵ | 0  | 0-Dec.  | 1864 |
| 12000  | Cobre Copper Co. (cop.), Cuba [S.E.] 40        | 0  | 0 | 14  |    | 12   | 14   |    |     |    |   |   |    | 0-Jan.  |      |
| 10000  | Copiapo Mining Company, Chili [S.E.] 16        | 0  | 0 | _   |    |      |      |    |     |    |   |   |    | 0-Nov.  |      |
| 100000 | Don Badan No. Del Benty del com 2              |    |   |     |    |      |      | •• |     |    |   |   |    |         |      |
| 100000 | Don Pedro No. Del Rey[L. £1] [S.E.] 0          | 14 | 0 | -   |    |      |      | •• | 0   | 0  | 9 | 0 | 0  | 9-Dec.  | 1863 |
| 70000  | English and Australian 5                       | 0  | 0 | -   |    |      |      | •• | 1   | 12 | 0 | 0 | 2  | 0Aug.   | 1864 |
| 25000  | Gen. Mining Assoc. , Nova Scotia[S.E.]20       | 0  | 0 | _   |    | 19 : |      |    |     |    |   |   |    | 0-June, |      |
| 69000  | Warnerda Milata a Classica Company of the last |    |   |     |    | 40 1 |      | •• |     |    |   |   |    |         |      |
| 00000  | Kapunda Mining Co., Australia [S.E.] 1         | 0  | 0 | _   |    |      |      |    | 0   | 12 | 0 | 0 | 1  | 0-June. | 1864 |
| 10000  |  |    | 0 |     |    |      |      | •• | 1   |    |   |   |    | 0-June, |      |
| 102815 | Mariquita and New Granada [S.E.]., 1           |    |   |     | •• |      |      | •• |     |    |   |   |    |         |      |
| WAGGEO | mariquita and New Granada 13.E I               | U  | 9 | _   |    |      |      | •  | 0   | 3  | 5 | 0 |    | 6-July, | 1859 |
| 43174  | United Mexican(stl.), Mexico[S.E.] 28          | 5  | 0 | 21/ |    | 15%  | 134  |    |     |    |   |   |    | 0-Sept. |      |
| 1.0000 | Vancouver (coal) [L. £10] 5                    |    |   |     |    | -/0  | - /- | •• |     |    |   |   |    |         |      |
| 4.0000 | A suppostant (comi) [Tr. Trol                  | U  | 0 |     |    |      |      |    | 0   | 15 | 0 | o | Ð. | 0-Nov.  | 1864 |
| 45000  | Yudanamutana (cop.).S. A. [L.][S.E.] 3         | 0  | 0 | 74  |    | 56   | 76   |    | 0   | 5  | 0 | 0 | 5  | O.Ang   | 1969 |

|   | NON-DIVIDEND FOREIG | N   | MI   | NI  | S.          |              |   |   |     |
|---|---------------------|---|--|-----|-------------|--------------|---|---|-----|
| 10000-2000-2000-2000-2000-2000-2000-200 |                     | P. 10 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 | aid. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Las | 1 1 3 3 3 4 | 34 3<br>34 3 | One. Last Pully Dec. Peb. April, Nov. Jan. Fully Jan. Fully Jane, Fully Jane, Fully Jane, Fully Aug. Nov. April, June, Stock. Fully Mar. Jan. Fully Mar. Oet. Fully | paid. 1868 1869 1869 1869 1869 1869 1869 1869 | 110 |
|   |                     |   |  |     |             |              |   |   |     |

| PR   | na  | DEC    | QTV | 100 | MINES.        |  |
|------|-----|--------|-----|-----|---------------|--|
| - 40 | o u | TOTALO | DIA | E   | THE THE PLANT |  |

| Г                                       | PROGRESSIVE MINES.  |
|---|---|
|   | Shares.   Mines.   Paid. Last Pr. Bus. dons. Last Call.   1000 Alt-y-Crib (lead) [L.] 5 0 0 Fally paid   3200 Bedoi Aur (lead), holy well 1 0 0 Jan. 1866   |
|   | 500 Billins (lead)  |
| Last paid<br>May, 1866<br>Mar. 1866     |   |
| May, 1866<br>Aug. 1865                  | 200 Brynford Hall (lead), Flint. 28 0 0   |
| eb. 1866<br>une 1865                    | 1000 Camborne Consols (copper) 18 10 0 7. Feb. 1864   |
| April, 1866<br>April, 1866<br>Car. 1866 | 4600 Camborne Vean & Wh. Francis 11 2 10 114 114 Mar. 1866<br>8000 Cape Cornwall (cop.), L. £2 10s. 12 5 0  |
| lay, 1866                               | 914 Caradon Cons. (cop.), St. Cleer 30 3 6 Nov., 1865   |
| pril, 1866<br>une, 1865<br>an. 1866     | 4 b 0 - April 1866  |
| fay, 1866<br>Tay, 1866                  | 2023 Carnyorth (tin), St. Just 5 1 0 Mar. 1866 20000 Carysfort [3200 £214 pd., 16800 £134 pd.]  |
| an. 1866<br>(ay, 1866                   | 6400 Cashwell (lead) [L. £3] 2 10 0 —1% 2%Jan. 1865   |
| ar. 1866<br>eb. 1866                    | 2500 Cefn Cilcen(Id.), Flint [L. £5] 2 15 0 — April, 1866<br>2500 Central Minera (lead) [L. £5] 3 7 6 — April, 1866   |
| ar. 1866<br>ar. 1866                    | 300 Chiverton (lead), Perranzabu. 8 7 6. 61/2. 6 61/2 May, 1866   |
| pril, 1866                              | 4000 Chiverton Moor (lead) 4 16 9 5½ 5½ 6 May, 1866 4000 Chara Unit. Ponterwyd [L.x3] 2 10 0 — July, 1865   |
| pril, 1866<br>in. 1866<br>ar. 1866      | 787 Clijah & Wentworth (tin,cp.) 34 12 0 Nov. 1865  |
| ay, 1866                                | 16000 Coolartra & Bond [L.] [5300 £1pd 10700 16s.pd.]   |
| t. 1865                                 | 6500 Cornish Clay and Tin [L.] 1 0 0 — Fully paid.  |
| n. 1866                                 | 30000 Crenverand Wh. Abraham [L.] 4 0 0 —   |
| y, 1866<br>y, 1866                      | 2500 Crowan Consols (cop.) Crowan 5 11 0 — Dec. 1865 8000 Crowan & Wendron(tin),[L.£1] 0 2 6 —  |
| n. 1866<br>n. 1866<br>ly, 1865          | 1428 Crowlwm (lead), Llanidloes.       1 13 0       Dec. 1864         6000 Cuddra (cop.,tin), St. Austell       4 15 6       Feb. 1866         53000 Dale (lead), North Stafford.       1 0 0       Fully paid.         1000 Darren (lead) [L.], Cardigan.       9 4 0       July, 1865 |
| y, 1866<br>rii, 1866                    | 35000 Daie (lead), Norin Stanford. 1 0 0 —  |
| ie. 1866                                | 1024 Devon Wheal Loses (cop.) [L.] 12 0 0 Dec. 1865]  |
| r. 1866 2<br>y, 1866 2                  | 20000 Dolfrwynog (gold) [L. £1] 0 15 0 — June, 1864<br>25000 Dundalk (copper, lead), [L. £1] 0 10 0 —   |
| r. 1865                                 | 1000 Eaglebrook (lead) [L. £20] 17 19 0 —   |
| r. 1866                                 | 6000 E. Bottle Hill(tin), Plympton 0 6 8. — % % Oct. 1885<br>2000 East Buller (copper) 2 0 0. —   |
|   | 2048 E. Falmouth (sld.), Kenwyn 5 0 6   |
|   | 4000 E. Grenville (cop.), Camborne 2 19 0 23278 278 1806<br>6145 East Jane (silid.), Cardinham 2 17 6 April, 1865   |
| 8                                       | 6000 East Laxey (lead) [L. £3] 2 10 0 — Nov. 1865 [ Nov. 1864]  |
| 1 0                                     | 5000 East Tresavean   |
| , 1864                                  | 6610 East Seton (cop.), Camborne 0 11 0 1865  |
| . 1864 6                                | 1000 East St. Just (tin) [L. £5] 3 0 0 0 — Jan. 1866 1000 East Tamar (silver-lead) 0 6 8 — April, 1866 26 East Toigus (copper), Redruth 96 0 0 0 — April, 1866  |
| 1859 1                                  | 190 E. Wheal Agar (cop.), St. Cleer 12 17 0 Jan. 1865 300 E. Wheal Ellen (cop.) St. Agnes 3 5 0 Dec. 1864   |
| 1869 2                                  | 048 East Wheal Grylls (tin, cop.) 3 2 6 — Oct. 1865 6   |
| 1863 150                                | 000 Ellen Untd. (cop., zinc) [L. £2] 1 0 0 Nov. 1865  |
| 1864                                    | 144 Esther Und. (tin), Cardingham 0 6 3 —   |
| 1969   3                                | 000 Furze Hill Wood Cons. Buckl. 1 16 0 Feb. 1866 1   |
| 1862 100                                | 000 Fursdon (cop.), [L.] [5000 £1 10s. paid] —  |
| 1864 40<br>1862 40                      | 000 Gawton (copper), Tavistock. 3 5 6 Feb. 1866   |
| 1863 00                                 | 100 Gen. Min. Co. for Irel. (cop.) 4 0 0  |
| 1863 60                                 | 000 Godolphin Hill, Breage [L. £4] 1 3 0 Dec. 1865 000 Golch Hill (lead). Filntablys. 1 13 5 Sept. 1865 10  |
| 1864 60                                 | 144 Gonamena (copper), St. Cleer. 5 4 0   |
| 1860                                    | 00 Great Brigan (con ) Redwith 6 18 0   |
| 1864 100                                | 00 Great Devon and Redford [L.]. 2 10 0 Mar. 1866 10  |
| 1864 50<br>1864 50<br>1863 50           | 00 Gt, East Lovell (tin), Heiston 1 15 0  |
| 1864   100                              | 00 Gl. Northern of Ireland [L. £1] 0 10 0 134 2 Feb. 1865 5 00 Gl. No. Laxey (L. of Man) [L. £1] 0 10 0 2 134 2 Feb. 1865 5 00 Gl. Retailack (silld., blende) 2 8 6 July, 1885 50   |
| 1863 600                                | 00 Great S. Chiverton (alllead). 1 7 6 April, 1866   100  |
| #00                                     | 00 Gt. So. Tolgua (cop.), Redruth 0 14 6. 4. June, 1861 13 Great West Chiverton (lead). 1 0 0 June, 1861 60 . June, 1864 60   |
| 600                                     | 13 Great Wheal Baddern (tin). 7 17 6. —   |
| 807                                     | 22 Gt. Wh. Grylls (tin, copper) 1 12 0 April, 1886 600 Great Wh. Metal, Breage [L.]. 2 0 0 May, 1865 61   |
| 1866 640                                | 00 Green Hurth (lead) [L. £i] 0 1 0 July, 1864 80 0 Grit and Stapeley (lead), [L.] 10 0 0 July, 1864  |
| 1866 400                                | 0 Grylls Wheal Florence (tin) 1 9 0 April, 1868 400   |
| 1865 640                                | 0 Hailenbeagle (copper)   |
| ly. 500<br>1865 721<br>1866 1000        | 9 Hawkmoor(tin,cop.)Calstock 3 11 6   |
| 1866 8000                               | O Hendre (lead), Flint [L. £5] 4 0 0  |
| 1865 6000                               | 0 Lady Bertha (con.) [S. E. ] 3 16 0 April, 1866   102  |
| 3000                                    | D Leads & St. Aphyn (tip. con), 19 13 4 Mar. 1866 600   |
|   |   |
| 2000                                    | D Liantwit Vardre (coal), [L.£5] 4 10 0   |
| 865 6000                                | D Lower Park (id.), Denbigh [L.] 3 11 0   |
| 963 3000                                | Merllyn (lead), Flint   |
| 864 1024<br>864 4000                    | i Molland (cop.), 8. Moulton 3 13 0   |
| 865 512<br>859 6000                     | Nant Minera (lead), [L. £20] 6 10 0 —   |
| 864 6400                                | N. Crow Hill (ld.), St. Stephen 3 0 0 Feb. 1866 200   |
| 6514                                    | New East Birch Tor (tin) 1 2 6 —  |
| 400                                     | New Hendra (tin, cop.), Breage 14 11 0 Mar. 1866 270  |
| 1024<br>1024                            | NewRosewarne(cop.), Gwinear 4 5 0   |
|   |   |
| 960<br>966 470                          | New Trevenen (tin), Wendron 8 14 0 May, 1866 2500   |
| 164 1024<br>1d. 4096                    | New Wheal Lovell (tin) 1 50 % 1/8 % May, 1866 25000   |
| 1004                                    | New Wh. Seton (cop.), Camb. 51 15 0 35 50 50  |
| id. 6000                                | North Davon (atl. ald.) [L. £1] 0 14 0  |
| 66 5000<br>62 5000                      | N. Dolcoath (cop.), Camborne 3 17 6 April, 1866 80000   |
| 63 2500                                 | North Frances (copper) 4 2 6  |
| 65 6000                                 | North Jane (tin, sliver lead) 2 18 6 — May, 1866 500  |
| 66 6000                                 | N. Kit Hill (tin,cop.) [L. £2] 1 0 0 Sept. 1865 1250  |
| 4000                                    | North Minera (lead)   |
|   |   |
| d                                       | Those mines with [S.E.] appended have been admitted on the Stock Exchaint Limited Liability   |
| 00 000                                  | Our object being to make the Share List correct, we earnestly call upon all w   |
| 65                                      | tion which may, from time to time, come under their notice. To shareholder<br>information. Reports from mines—in fact, mining intelligence of every descri  |

|               | Shares Mines D-23 T-4 D- D-1   | -  |
|---------------|--|--|
|               | Shares. Mines. Paid. Last Pr. Bus. do<br>2000 No. Shepherd (lead), Newlyn 5 10 0 —   | ne. La   |
| Call.         | 6000 N.Wh. Basset (cop., tin) [S.E.] 5 0 0   | · · April  |
| r paid        | 5610 No. Wh. Crofty (bop.) [S.E.] 3 2 10. 14 14 36   | Mar.   |
| 1866          |  | Feb.   |
| paid.<br>1866 | 12288 Okel Tor (cop.), Calsock 2 3 10  | Oct.   |
| 1865          | 9000 Old Gunnislake (cop.) Calatock I 12 6 13414 134 6400 Par Consols (copper) [8.E.] . I 17 0 — 6000 Par & St. Bigary Cons. (tin. cop.) I 16 0 —  | May,   |
| 1866          | 6000 Par & St. Blazey Cons. (tin, cop.) 1 16 0   | Mar.   |
| 1866<br>1864  | 8465 Padn-an-drea(tin), Redruth, 5 4 6   | May  |
| 1866          | 0000 Pendeen Cons.(cop.), St. Just 5 7 U   | May  |
| 1864          | 4000 Penhale Wheal Vor (tin, cop.). 2 0 0 —<br>5000 Penhalls (tin), St. Agnes 2 18 0 —   | April  |
| 1866          | 15000 Penhale and Lomax (sillead) 1 5 0 114 1 11/2   | Aug.   |
| 1866<br>1865  | 512 Penhallow Moor (all ver-lend). B 10 0  | . Sept.  |
| 1865          | 8000 Pen ralt(sil. ld.), Merion.[L.] 2 7 0 —<br>200 Pentre Lygan (lead) [L. £30] 22 10 0 —   |  |
| 1866          | 10000 Prince Arthur Cons. (lead), [L.] 2 0 0 —   | May,   |
| 1866<br>1866  |  | Fully  |
| 1866          | 6000 Prosper Uni.(tin.cp.),St.Hilary 8 4 0   | Feb.   |
| 1865          | 12000 Redmoor(cop.,tin), Callington 1 9 6 1/4 1/4 6000 Roaring Water [L. £3] 2 0 0   | Feb.   |
| 1865          | 6000 Reinnie Laxey (lead), [L. £6]. 4 0 0  | Oot.   |
| 1866          | 5000 Rhafna (lead), Carnarv. [L. £1] 0 11 0  | Dec.   |
| 866           | 2000 Restriggian (Iron), St. Wenn<br>2000 Rosecliff and Tolcarne [L. £10]. 5 0 0 —   | No ca  |
| aid.          | 3973 Rosewarne Consols (copper) 5 2 6  | Feb.   |
| 866           | 6000 Rosewall Hill and Ransom 3 8 6  | ••   |
| 865           | 3848 Rosewarne United (cp., tin) 3 16 11 . 34 34 36 6000 Roskear (copper), Camborne 0 10 0   | Jan.   |
| 864           | 558 Roskes mowth (con.), Camborne 3 15 0   | Sept.<br>Mar.  |
| 865<br>aid.   | 800 Segienias, Montgomery L. 481 6 0 0   | .Feb.  |
| 868           | 512 Shropshire Mining Co. [L.] 7 16 3  |  |
| aid.          | 4096 Sithney Wheal Metal (tin) . 4 2 6   | .Mar.  |
| 866           | 12000 Sortridge Cons. (cop.) [S.E.]. 1 12 0  | June,  |
| 866           | 6000 S. Alfred Cons. (cop.), I minack 1 0 0  | June.  |
| 865           | 100 South Bryn Gwlog (lead) 7 0 0  | odune. 1   |
| 865           | BUUU SQ. Buller (Copper), Gwunner U 14 U   | July, I  |
| 864           |  |  |
|               | 6000 South Carn Brea (cop.) 8 10 6 —   | .May, 1  |
| 1d.<br>865    | 6138 S. Condurrow(tin,cp.),Camb. 3 11 0 14 % 1% .  | May.   |
| 300           | 2283 Sou. Crenver (cop.), Crowan. 12 9 0   | OCL. I   |
| 365           | 5000 S. Dolcoath & Carnarthen Con. 2 14 6 —<br>5000 S. Dolcoath & Carnarthen Con. 2 14 6 —<br>5000 S. Exmouth (1d.), Christow. 3 3 0 —<br>5000 S. Foxdale (1d.) I. of Man [L.£5] 3 10 0 —  | April, 1   |
| 65            | 5000 S. Foxdsle(ld.)I.ofMan[L.£5] 3 10 0   | May, 1   |
| 864           | 5000 S. Foxdsle(ld.) I. of Man(L.£5) 3 10 0 —<br>1024 S. Herodsfoot (lead) Liskeard. 9 12 6 —  | .Nov. 1  |
| 365           | 2000 South Lovell (tin), Wendron 2 10 0 —  | Nov. 1<br>Feb. 1<br>Mar. 1   |
| 65            | 1000 S. Minera (lead) [L. £5%] 5 0 0   | Dec. I   |
| 165           | 1024 S. Herodatioct (lead)   | Dec. II<br>May, II<br>Oct. II<br>Feb. 18   |
| 66            | 0910 South of Scotland [L. £1] 0 15 0  | Cot. I   |
| 66            | 937 90. Wh. Crofty(cop.), Illogan 24 10 10. 15 12 14   | Feb. 18  |
| 66            | 6000 B. Wh. Grenville (tin & copper).  |  |
| 65            | 400 So. Wh. Seton (cop.), Camborne 10 15 0   | April, 18  |
| 00            | 794 Spearne Cons. (tin), St. Just. 6 17 0  | Dec. 18<br>May, 18   |
| 66            |  |  |
| 65 10         | 0000 St. Cuthbort Lead Smeit. [L.] 5 0 0 — 760 St. I ves Wheal Allen (tin) 17 12 0 —   | Fully pai  |
| 64 8          | 000 St. Just Untd. (tin)[L. 21/4]. 2 10 0  | June 18  |
| 65 8          | 000 St. Just Untd. (tin)[L. 2½]. 2 10 0 —<br>0000 St. Just Consols(tin)[6000 £1 pd., 3000 5s. pd.].  | Oct. 18  |
|               | 000 Stiperstones (id.), Salop[L.£10] 3 10 0 920 Stray Park (cop., tin) [S.£.]. 38 18 0 314 214 3   | Fully paid May, 184 June, 184 Oct. 186 Oct. 186 April, 186 May, 186 Jan. 18 |
| 86            | 000 Stiperatones (id., Sanopi L. 22, 3 18 0 3 18 0 3 18 0 3 18 0 2 14 3 900 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 0 12 6 910 Swincombe Vale (tin) [L. £1] 910 Swincombe Vale (tin) [L. | May 18   |
|               | 500 Tin Hill (tin), St. Austeil 1 8 0  |  |
|               |  | Nov. 18  |
| 6 6           |  | Fully pak  |
|               |  | April, Im  |
|               | sol decreases and Trethurran 15 10 U.s   | NOV. 186   |
| 1 8           | 105 Treselly nand Soaddick Cons. 1 12 6 —<br>440 Trevenen and Tremenheere. 7 11 0 —  | July, 186  |
| B 6           | 140 Trevenen and Tremembers. 6 17 0 —  | Jan. 186   |
| 6 1           | 943 Treworlis (tin), Wendron 9 2 10. —   | June, 186<br>Jan. 186<br>Jan. 186  |
| 5 6           | 100 True Head (tin & cop. [L. £1] 0 17 0   | Mar. 186<br>Sept. 186  |
| 6 100         | 000 Valeof Towy (lead), Carmar. 0 17 6   | Aug. 186   |
| 6 10          | 24 Wendron Cons. (tin), Wendron 25 3 10. —   | Aug. 186<br>May, 186   |
| 40            | 000 Wentnor[L. £2½](lead) 2 4 5 —  | Fully paid   |
| 100           | West Beam (tin) (L. l 1 0 0  | Fully paid   |
| 3             | 80 West Burton Gill (lead) 80 0 0  |  |
| 100           | West Caradon (cop.), [S.E.]. 13 0 0 6 6 8  | April, 1866<br>Fully paid  |
| 100           | 00 West Cwm Erfin (lead) [L] 5 0 0   | NOV. IN  |
| 12            | 18 W.Condurrow(tin,cop.), Cam. 12 b 6 4 18 14  | May, 1866<br>Feb. 1866   |
| 85            | on W. Maria & Fortascue, Lamerton 3  | eb. 1866   |
|               |  | Jan. 1866  |
| 10            | m / (millaton 195 0 0 mm   | April, 1866<br>Mar. 1866   |
| 10            | 56 WestStray Park (cop.), Camb. 11 2 6   | une, 1865  |
|               | 12 West Tolgus(cop.), Redruth. 49 0 0 45   | HAT. 1846  |
| 5             | Westwhite Standard O 8 10  | day, 1866<br>lov. 1886   |
| 1000          |  | iov. 1865<br>uly, 1864   |
| 13            | 50 W. Wn. Prosper (tin), Lanivet. 5 18 0   | Ct. 1861   |
| 405           | 96 West Wheal Vor (tin), Heiston 2 0 0   | far. 1865<br>ov. 1865  |
| 51            | Wheal Buller, Redruth [S.E.] 19 10 0 14 10 12 M  | ay, 1866   |
| 100           | o wrt an (Contin (con.) Crowan . 10 10 1   | IBV. 1866  |
| 600           | 0 WhealCrebor(cop.), Tavistock 2 2 0. 34. 9s. 11sM<br>4 Wh.Damsel(cp.,tin), Gwennap 2 15 0   | niv. 1861  |
| 409           | Wil. Damser (op.) Colstock. 9 1 6  | niy, 1863<br>ec. 1865  |
| 89            | A TWO and Working Henricita (COD.) 10 10 U.s.  | prii, 1806   |
| 400           | 0 Wh. Emma(cp) Bucklastics   9 5 6 2 14 2  | niy, 1865<br>ane, 1868   |
| 600           |  | pril, 1866   |
| 102           | 0 Wheal Hartley (cop.), Gwinear 2 10 1 M   | prii, 1866<br>ay, 1866<br>ay, 1866<br>in. 1866   |
| \$00          |  | my, 1866   |
| 72            | o We and Many Florence L. Ell. 1 7 Ves - es  |  |
| 100           | 0 Wheat Mary Fibronics (Plymp.) 1 2 6 Se   | pt. 1865<br>pt. 1865   |
| 600           | 0 Wh. Mary Hitchin,cp.),St.Cleer 4 6 1   | pt. 1865   |
| 102           | Wheel Polmeny (copper) 7 13 9  | n. 1966<br>ng. 1865  |
| 102           |  | ar. 1846   |
| 150           | Whealsarah(tin), Lanivet 0 13 8  | ne, 1864   |
|               |  | ny, 1866<br>orii, 1866   |
| 1920          | . Manual Con (tin con ) [L. £10] 7 0 0   | ar. 1866   |
| 500           | Wheai Truscott 1 10 0  |  |
| 600           | Wheal Union (cop.), Redruth 4 18 6   | r. 1865<br>r. 1866   |
| 409           | 0 Wheal Truscott   | b. 1865  |
| 445           | THE THE TANK (VIII)  |  |
|               |  |  |

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| 64  |   |
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| 66  | MIDOMBALLAGORI  |
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| 56  | 97000 China Stm. Ship & Labuan Coal 9 U U             |
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| S   | 100000 Credit Fon & Mob. Engl. [L. 220] 5 0 0 378 178 |
| 5   | 10000 Discount Corporato, L. £100] 20 00. 1 68        |
| 6   | 80000 Ehhw Vale Iron Co. [L. £80] 20 0 0. 14          |
| 6   | sono Fairbairn Engineering [L.Elo] 5 0 0 6 2%         |
|     | 20000 Fore-street Warehouse Latter 10 U. 1076 1076    |
| 8   | 10000 Gellivara [L. £50] 20 0 0                       |
| 6   | 950000 Gen.Cred.& Fin.Lond.[L. £20] 6 0 0 2 238 0     |
| ı.  | 90000 General Steam Navigation 19 U U. 25 20 25       |
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| 61  | 7500 Trinidad Petroleum [L. £5] 5 0 0                 |

\*a\* Those mines with [S.E.] appended have been admitted on the Stock Exchange. Those mines with [L.] appended have been incorporated with Limited Limi

\*5° Our object being to make the Share List correct, we carnestly call upon all who have the power, to aid us, by forwarding any alterations or correction which may, from time to time, come under their notice. To shareholders, as well as those officially connected with the mines, we appeal for information. Reports from mines—in fact, mining intelligence of every description, forwarded to our office, will meet ready attention.

London': Printed by Richard Middleron, and published by Herry EmcLish (the proprietors at their office, No. 26, Fleet Street, E.C. where all communications are requested to be addressed.—Junc 9, 1866.